Dar Al-Handasah Consultants
(Shair and Partners)
in Joint Venture
National Engineering Services
Pakistan (Pvt.) Limited

P21161/F/L0015-22

31st January 2022

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Advance Payment Bank Guarantees

Dear Sirs,

With reference to our Contract Agreement and the clause 42.2.1 Special Condition of the contract, we would like to submit hereby the following Bank Guarantees for the advance payment amount in Foreign and Local Currency for the Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT):

- Guarantee No. HSBC/LOG-0101/0208/22 (Dar part of the advance payment amount in PKR currency);
- Guarantee No. HSBC/LOG-0101/0209/22 (Dar part of the advance payment amount in Foreign currency);
- Guarantee No. 0018/BAH/1055/2022 (NESPAK part of the advance payment amount in PKR currency).

You are kindly requested to return the original copy of the attached Bank Guarantees to the bank at the end of its validation period.

Assuring you our best professional services always.

Yours faithfully,

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Copy to:

- Managing Director, SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

dar Dar Al-Handasah Consultants (Shair and Partners) in Joint Venture NESPAK National Engineering Services Pakistan (Pvt.) Limited

P21161/F/L00014-22

28th January 2022

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Execution of Consulting Services Contract (Phase 1) / Advance payment

Dear Sirs,

With reference to our Contract Agreement and the clause 42 of the GC and 42.2.1 Special Condition of the contract, we would like to submit hereby the following invoices for the payment of the advance payment amount in Foreign and Local Currency for the Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT):

- INVOICE No.1/USD/P21161 (Dar part of the advance payment amount in Foreign currency);
- INVOICE No.1/PKR/P21161 (Dar part of the advance payment amount in PKR currency);
- INVOICE No.1vide Invoice No. 4309/50A/MF/01/2417 (NESPAK part of the advance payment amount in PKR currency).

Assuring you our best professional services always.

Thanking you,

Yours faithfully
For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box: 5491, Kingdom of Bahrain
T +973 17 533 582 | F +973 17 533 583 | E manama@dar.com

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. MD/SMTA/2021/L-658

Karachi, Dated: 24th January, 2022

To,

TUFAIL AHMED SHEIKH,
MEMBER (SOUTH ZONE),
National Highway Authority,
Karachi.

SUBJECT: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

With reference to the letter **No. MD/SMTA/2021/L-425** dated **18-10-2021** in which the following information was given that, The Sindh Mass Transit Authority (SMTA), Transport and Mass Transit Department (T&MTD), Government of Sindh is working on the Karachi Mobility Project (Yellow BRT) with the financial assistance of the World Bank.

The Joint Venture of *M/s Dar-al-Handasah Consultants (Shair & Partners)* and *M/s. National Engineering Services Pakistan (Pvt.) Ltd. (M/s NESPAK)* has been appointed Consultant by Sindh Mass Transit Authority [SMT A], Transport & Mass Transit Department, Government of Sindh [GoS], to undertake consultancy services of BRT Yellow Line Project.

The 22Kms alignment of the Yellow BRT starts from Dawood Chowrangi (Korangi) till Numaish via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen and the off-corridor roads are shown in the attached *sketch*. Currently, ***geotechnical investigation works*** are to be carried out along the project alignment.

It may also be noted that in order to carry the above mentioned the Soil / Geotechnical Investigations *drilling* of boreholes, test pits and trial pits excavation and asphalt core cutting will be undertaken on N5 from Quaidabad Stop to Steel Mill Morr. Sketch showing the location of the road is also attached.

In this regards you are requested to appoint a focal person from your good office, for coordination and site *inspection* to avoid any further delays / inconvenience.

Following are *the* key staff and their contact details who will be involved in conducting the Geo Technical Investigations.

1.	Taha Akram	Engineer (F&M Pvt. Ltd.)	0345-2001815/021-35110056
2.	Ali Aqdas	Senior Engineer (NESPAK)	0333-4525263
3.	Muhammad Adnan	Principal Engineer (NESPAK)	0333-2615711

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful. Therefore, your cooperation in this regards is highly anticipated, which is in the best interest of the project.

Encl: Letter No. 4309/50P/RZ/01/2468

24/1/22

CAPT. (R) ABDUL SATTAR ISANI (PAS)
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director, Karachi Mobility Project (Yellow BRT)
2. PS to Chairman, National Highway Authority.
3. PS to Secretary Transport and Mass Transit Department, GoS
4. PS to Chairman Planning and Development Board, GoS
5. Master File.

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. MD/SMTA/2021/C.657

Karachi, Dated: 24th January, 2022

To,

PROJECT DIRECTOR,
Malir Express Way,
Karachi.

SUBJECT: COORDINATION REQUESTED DURING CONSTRUCTION AND DESIGN OF YELLOW BRT CORRIDOR AND MALIR EXPRESSWAY

With reference to the letter sent from our office **No. PD/SMTA/YLC/DDC/07/2021/L-440** dated **29-11-2021** in which the coordination related to the project specification was done particularly related to Jam Sadiq Bridge and Malir Express Way. It was also informed that Yellow BRT Project will consist of construction of new bridge to the north of the existing Jam Sadiq Bridge.

It may be noted that as per the results of the structural testing report of the existing Jam Sadiq Bridge, the option of rehabilitation / reconstruction of existing Jam Sadiq bridge is under consideration owing to the structurally deficient and very poor condition of the bridge. This also warrants for close coordination between the Malir Expressway and the Yellow BRT project teams.

In this regards, we wish to highlight the importance of the necessary coordination between the two projects, including the following:

1. The MEW project design needs to be updated to consider the new configuration of the Jam Sadiq Bridge.

2. Detailed coordination between the two projects should take place to ensure proper tie-in geometrically (horizontal and vertical) and structurally.

3. The Limit of Works should be agreed between the two projects.

4. Construction sequence and timing should be coordinated between the two projects to ensure neither conflict nor abortive works will occur.

5. Based on the above, we appreciate your cooperation to ensure the integration of both the design and construction of the two projects. It is also requested to kindly inform of the meeting schedule to discuss the above mentioned matters at your earliest.

24/01/22

CAPT. (R) ABDUL SATTAR ISANI (PAS)
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director, Karachi Mobility Project (Yellow BRT)
2. Secretary Local Government, GoS
3. Secretary Transport & Mass Transit Department, GoS
4. PS to Chairman Planning & Development Board, GoS
5. Director Infrastructure & Planning, Sindh Mass Transit Authority, Government of Sindh
6. Master File.

GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Dated: Friday, October 29, 2021

PD/SMTA/YLC/DDCS/07/2021/2440

To,

PROJECT DIRECTOR,
MALIR EXPRESS WAY PROJECT,
Karachi.

SUBJECT: COORDINATION REQUESTED DURING CONSTRUCTION AND DESIGN OF YELLOW BRT CORRIDOR AND MALIR EXPRESSWAY.

Let me start with thanking you for your prompt response on our request for coordination vide our letter dated 18th October 2021. Subseqently a meeting was held at the office of M/s Loya Associates with their Engineers, Director Technical, Malir Expressway Project, DAR Al-Handasah / NESPAK (BRT Yellow JV consultants) and the Director Infrastructure of the SMTA on October 14, 2021.

During the meeting, layout Plan of Malir ExpressWay [the MEW] project at Jam Sadiq Bridge was discussed in conjunction with Yellow BRT Project, in detail.

An interchange has been planned for the MEW project which will connect the existing Jam Sadiq Bridge with the proposed MEW project. However, a 4-lanes new bridge is currently proposed at northern / upstream side of the existing Jam Sadiq Bridge for Yellow BRT Project, which will necessitate the shifting of the alignment of the proposed ramps within the MEW interchange to connect with the proposed Jam Sadiq Bridge.

The proposed cross section of the new Jam Sadiq Bridge is approximately 20 meters plus 1 meter separation between the existing and the proposed bridge. The Layout plan and cross section of the proposed new bridge at Jam Sadiq bridge are attached herewith this letter. It was discussed in the above-mentioned meeting that the entry and exit ramps of the MEW will have to be shifted by approximate distance of 20 m towards north.

It is requested that detail design of Jam Sadiq Interchange (CAD and pdf), Hydrological and Hydraulics Study Report, and Construction Plan/schedule be shared with us for further coordination and consideration. We hope to have a closed coordination with your good-self and your team throughout the project implementation, in the best public interest.

PROJECT DIRECTOR
Karachi Mobility Project
(Yellow BRT), SMTA

Encl: Layout plan of Jam Sadiq Bridge
A copy is forwarded for information to:

1. Director Infrastructure / Projects, Sindh Mass Transit Authority, Karachi
2. PS to Secretary, Local Government Department, Govt of Sindh
3. PS to Secretary Transport & Mass Transit Department.

PS TO SECRETARY LGD
DIARY NO.....
DATED.....

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Scanned with CamScanner

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. MD/SMTA/2021/L-656

Karachi, Dated: 24st January, 2022

To,

1. **CHIEF EXECUTIVE OFFICER,**
   Clifton Cantonment Board,
   Karachi,

2. **CHIEF EXECUTIVE OFFICER,**
   Karachi Cantonment Board
   Karachi.

3. **DIG TRAFFIC POLICE,**
   Karachi.

SUBJECT: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

With reference to the letter **No. MD/SMTA/2021/L-425** dated **18-10-2021** and letter **No. PD/SMTA/YLC/DDCS/07/2021/L-592** dated **17-12-2021** in which the following information was given that, The Sindh Mass Transit Authority (SMTA), Government of Sindh is working on the Karachi Mobility Project (Yellow BRT) with the financial assistance of the World Bank.

The 22Kms alignment of the Yellow BRT starts from Dawood Chowrangi (Korangi) till Numaish via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen and the off-corridor roads are shown in the attached sketch. Currently, ***geotechnical investigation works*** are to be carried out along the project alignment.

The Joint Venture of *M/s Dar-al-Handasah Consultants (Shair & Partners)* and *M/s. National Engineering Services Pakistan (Pvt.) Ltd. (M/s NESPAK)* has been appointed Consultant by Sindh Mass Transit Authority [SMT A], Transport & Mass Transit Department, Government of Sindh [GoS], to undertake consultancy services of BRT Yellow Line Project.

To complete the above mentioned investigation M/s. F&M Private Limited has been appointed as Geotechnical Investigation Contractor to undertake the Soil / Geotechnical Investigations for the BRT Yellow Project (Corridor and Off-Corridors).

It may also be noted that in order to carry the above mentioned the Soil / Geotechnical Investigations drilling of boreholes, test pits and trial pits excavation and asphalt core cutting will be undertaken on Yellow BRT Corridor.

In this regards you are requested to appoint a focal person from your good office, for coordination and site inspection to avoid any further delays / inconvenience.

Following are the key staff and their contact details who will be involved in conducting the Geo Technical Investigations.

1.	Taha Akram	Engineer (F&M Pvt. Ltd.)	0345-2001815/021-35110056
2.	Ali Aqdas	Senior Engineer (NESPAK)	0333-4525263
3.	Muhammad Adnan	Principal Engineer (NESPAK)	0333-2615711

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful. Therefore, your cooperation in this regards is highly anticipated, which is in the best interest of the project.

24/01/22.

CAPT. (R) ABDUL SATTAR ISANI (PAS)
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director, Karachi Mobility Project (Yellow BRT)
2. PS to Inspector General, Sindh Traffic Police, GoS.
3. PS to Secretary Transport and Mass Transit Department, GoS.
4. PS to Chairman Planning and Development Board, GoS.
5. Master File.

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. MD/SMTA/2021/654

Karachi, Dated: 24th January, 2022

To,

1. **SECRETARY,**
Culture, Tourism & Antiquities Department,
Government of Sindh..

2. **SECRETARY,**
Sindh Irrigation Department,
Government of Sindh.

3. **SECRETARY,**
Antiquities Department,
Government of Sindh.

4. **SECRETARY,**
Irrigation Department Sindh,
Government of Sindh.

5. **DIRECTOR GENERAL,**
Sindh Livestock Department,
Government of Sindh.

6. **DIRECTOR GENERAL,**
Sindh Agriculture Department,
Government of Sindh.

7. **DIRECTOR GENERAL,**
Parks & Horticulture,
Government of Sindh

8. **DIRECTOR GENERAL,**
Sindh Environmental Protection Agency,
Government of Sindh.

9. **DIRECTOR GENERAL,**
Sindh Fisheries Department,
Government of Sindh..

10. **DEPUTY DIRECTOR,**
Municipal Public Health,
Karachi Metropolitan Corporation..

11. **ADMINISTRATOR,**
Karachi Metropolitan Corporation,
Government of Sindh.

12. **DEPUTY DIRECTOR,**
Planning, Monitoring and Evolution Cell,
Government of Sindh

13. **DIVISIONAL FOREST OFFICER,**
Sindh Forest Department Headquarters,
Government of Sindh..

14. **DIVISIONAL WILDLIFE OFFICER,**
Sindh Wildlife Department,
Government of Sindh.

15. **DIRECTOR,**
Planning and Monitoring Cell,
Government of Sindh.

16. **MANAGING DIRECTOR,**
Sindh Solid Waste Management Board,
Government of Sindh.

17. **CHAIRMAN**
Karachi Port Trust

18. **DIVISIONAL SUPERINTENDENT,**
Pakistan Railways

19. **PRESIDENT,**
Karachi Chamber of Commerce & Industries.
Karachi.

20. **DISTRICT & SESSIONS JUDGE**
High Court of Sindh,
Karachi.

21. **AREA COMMANDER,**
NSSD Area,
Karachi.

22. **MANAGING DIRECTOR**
CAMP OFFICE,
Karachi Water & Sewerage Board,
(KW&SB)

23. **EXECUTIVE VICE PRESIDENT**
BUSINESS ZONE SOUTH,
Karachi.

24. **MANAGER (CONSTRUCTION),**
Pakistan Refinery Limited (PRL),
Karachi.

25. **CHIEF EXECUTIVE OFFICER (CEO),**
KE House,
Karachi.

26. **DIRECTOR,**
KAP,
Karachi.

27. **EXECUTIVE VICE PRESIDENT,**
Pakistan Telecommunication Corporation Limited (PTCL),
Karachi.

28. **GENERAL MANAGER**
(OPERATIONS),
National Refinery Limited (NRL),
Karachi.

29. **CHIEF ENGINEER (PIPELINE**
MAINTENANCE),
Pak Arab Refinery Limited (PARCO),
Karachi.

30. **GENERAL MANAGER (P&D),**
Sui Southern Gas Company Limited (SSGC),
Karachi

31. **ADDL. DIRECTOR PLANNING,**
Defence Housing Authority (DHA),
Karachi.

32. **DISTRICT HEALTH OFFICER,**
Korangi,
Karachi.

33. **DISTRICT HEALTH OFFICER,**
(DHO) South, Karachi Cantonment
Karachi.

34. **PROJECT MANAGER,**
Korangi Creek Industrial Park (KCIP),
Karachi.

SUBJECT: CONSULTING SERVICES FOR PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT) – STAKEHOLDER'S CONSULTATION.

Please refer to the above subject and letter **No.MD/SMTA/2021/L-425** dated **18-10-2021**. It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank.

The Joint Venture of M/s. NESPAK and M/s. Dar-al-Handasah (Shair & Partners) has been engaged for detailed Design, Procurement Support and Construction Supervision. The JV scope of services also include the *updating* of Environmental Impact Assessment (EIA), Compensation and Livelihood Rehabilitation Plan (CLRP) and Social Impact Assessment (SIA) of the Subject Project.

As a part of the above-mentioned Studies, stakeholder consultation is a mandatory requirement to ensure that the concerns and apprehensions of all stakeholders are identified, clarified, addressed and documented.

In view of the above, you are requested to kindly facilitate the JV Consultants in conducting stakeholder consultation process with the relevant personnel of your department/organization.

You may direct any queries to the undersigned or to Syed Ali Sher Shah, Principal Engineer NESPAK (021-99090685 / 0300-2598098).

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport and Mass Transit Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful in the best public interest.

Encl: 1. Copy of letter No. MD/SMTA/2021/L-425
2. Location Plan of Main Yellow BRT Corridor
3. Location Plan of Off-Corridor Improvements

25/1/22

CAPT. (R) ABDUL SATTAR ISANI (PAS)
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director, Karachi Mobility Project (Yellow BRT)
2. Director Infrastructure/ Planning, SMTA, Karachi.
3. Rehan Zamin, NESPAK, Karachi
4. PS to Secretary, Transport & Mass Transit Department, Govt. Of Sindh.
5. PS to Chairman Planning & Development Board, Govt. of Sindh.
6. Master File.

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. MD/SMTA/2021/654

Karachi, Dated: 24th January, 2022

To,

1. **SECRETARY,**
Culture, Tourism & Antiquities Department,
Government of Sindh..

2. **SECRETARY,**
Sindh Irrigation Department,
Government of Sindh.

3. **SECRETARY,**
Antiquities Department,
Government of Sindh.

4. **SECRETARY,**
Irrigation Department Sindh,
Government of Sindh.

5. **DIRECTOR GENERAL,**
Sindh Livestock Department,
Government of Sindh.

6. **DIRECTOR GENERAL,**
Sindh Agriculture Department,
Government of Sindh.

7. **DIRECTOR GENERAL,**
Parks & Horticulture,
Government of Sindh

8. **DIRECTOR GENERAL,**
Sindh Environmental Protection Agency,
Government of Sindh.

9. **DIRECTOR GENERAL,**
Sindh Fisheries Department,
Government of Sindh..

10. **DEPUTY DIRECTOR,**
Municipal Public Health,
Karachi Metropolitan Corporation..

11. **ADMINISTRATOR,**
Karachi Metropolitan Corporation,
Government of Sindh.

12. **DEPUTY DIRECTOR,**
Planning, Monitoring and Evolution Cell,
Government of Sindh

13. **DIVISIONAL FOREST OFFICER,**
Sindh Forest Department Headquarters,
Government of Sindh..

14. **DIVISIONAL WILDLIFE OFFICER,**
Sindh Wildlife Department,
Government of Sindh.

15. **DIRECTOR,**
Planning and Monitoring Cell,
Government of Sindh.

16. **MANAGING DIRECTOR,**
Sindh Solid Waste Management Board,
Government of Sindh.

17. **CHAIRMAN**
Karachi Port Trust

18. **DIVISIONAL SUPERINTENDENT,**
Pakistan Railways

19. **PRESIDENT,**
Karachi Chamber of Commerce & Industries.
Karachi.

20. **DISTRICT & SESSIONS JUDGE**
High Court of Sindh,
Karachi.

21. **AREA COMMANDER,**
NSSD Area,
Karachi.

22. **MANAGING DIRECTOR**
CAMP OFFICE,
Karachi Water & Sewerage Board,
(KW&SB)

23. **EXECUTIVE VICE PRESIDENT**
BUSINESS ZONE SOUTH,
Karachi.

24. **MANAGER (CONSTRUCTION),**
Pakistan Refinery Limited (PRL),
Karachi.

25. **CHIEF EXECUTIVE OFFICER (CEO),**
KE House,
Karachi.

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(OPERATIONS),
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MAINTENANCE),
Pak Arab Refinery Limited (PARCO),
Karachi.

30. **GENERAL MANAGER (P&D),**
Sui Southern Gas Company Limited (SSGC),
Karachi

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Defence Housing Authority (DHA),
Karachi.

32. **DISTRICT HEALTH OFFICER,**
Korangi,
Karachi.

33. **DISTRICT HEALTH OFFICER,**
(DHO) South, Karachi Cantonment
Karachi.

34. **PROJECT MANAGER,**
Korangi Creek Industrial Park (KCIP),
Karachi.

SUBJECT: CONSULTING SERVICES FOR PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT) – STAKEHOLDER'S CONSULTATION.

Please refer to the above subject and letter **No.MD/SMTA/2021/L-425** dated **18-10-2021**. It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank.

The Joint Venture of M/s. NESPAK and M/s. Dar-al-Handasah (Shair & Partners) has been engaged for detailed Design, Procurement Support and Construction Supervision. The JV scope of services also include the *updating* of Environmental Impact Assessment (EIA), Compensation and Livelihood Rehabilitation Plan (CLRP) and Social Impact Assessment (SIA) of the Subject Project.

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In view of the above, you are requested to kindly facilitate the JV Consultants in conducting stakeholder consultation process with the relevant personnel of your department/organization.

You may direct any queries to the undersigned or to Syed Ali Sher Shah, Principal Engineer NESPAK (021-99090685 / 0300-2598098).

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport and Mass Transit Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful in the best public interest.

Encl: 1. Copy of letter No. MD/SMTA/2021/L-425
2. Location Plan of Main Yellow BRT Corridor
3. Location Plan of Off-Corridor Improvements

25/1/22

CAPT. (R) ABDUL SATTAR ISANI (PAS)
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director, Karachi Mobility Project (Yellow BRT)
2. Director Infrastructure/ Planning, SMTA, Karachi.
3. Rehan Zamin, NESPAK, Karachi
4. PS to Secretary, Transport & Mass Transit Department, Govt. Of Sindh.
5. PS to Chairman Planning & Development Board, Govt. of Sindh.
6. Master File.

No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. CHAIRMAN P&D BOARD
Planning and Development Department,
Government of Sindh

2. SECRETARY (WORKS & SERVICES)
Works and Services Department,
Government of Sindh

3. SECRETARY
Environment & Alternative Energy Department,
Government of Sindh

4. SECRETARY
Local Government Department,
Government of Sindh

5. SECRETARY
Department of Culture, Tourism, Antiquities and Archives,
Government of Sindh

6. ADMINISTRATOR
Karachi Metropolitan Corporation

7. DIRECTOR GENERAL
Sindh Environmental Protection Agency

8. DIRECTOR GENERAL
Civil Aviation Authority

9. GENERAL MANAGER
National Highway Authority, Karachi

10. DIRECTOR GENERAL
Sindh Building Control Authority

11. DIRECTOR GENERAL
Karachi Development Authority,

12. DIVISIONAL SUPERINTENDENT
Pakistan Railway, Karachi

13. PRESIDENT
Karachi Chamber of Commerce & Industry

14. DIG
Karachi Traffic Police

15. AIG, KARACHI
Sindh Police

16. PAF
Air Officer Commanding Southern Air Command

17. DG RANGERS
Pakistan Rangers

18. KARACHI CANTONMENT BOARD

19. FAISAL CANTONMENT BOARD

20. CLIFTON CANTONMENT BOARD

21. MANAGING DIRECTOR
Karachi Water & Sewerage Board

22. CEO
K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

23. MANAGING DIRECTOR
National Telecom Corporation

24. VICE PRESIDENT
Pakistan Telecommunication Company Limited

25. MANAGING DIRECTOR
Pak Arab Refinery Company Limited

26. MANAGING DIRECTOR
Southern Sui Gas Company Ltd

27. MANAGING DIRECTOR
Pakistan State Oil

28. MANAGING DIRECTOR
National Refinery Limited

29. CHIEF EXECUTIVE OFFICER
Mobilink

30. CHIEF EXECUTIVE OFFICER
Telenor

31. CHIEF EXECUTIVE OFFICER
U-Fone

32. CHIEF EXECUTIVE OFFICER
Zong

33. BUSINESS UNIT HEAD
Storm Fiber

SUBJECT: COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.

It is submitted that the Transport & Mass Transit Department, Government of Sindh [the TMTD] through Sindh Mass Transit Authority [the SMTA] is implementing the Karachi Mobility Project - Yellow BRT [the **Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

The proposed corridor alignment:	from **Dawood Chowrangi (Korangi)** till **Numaish** via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.
Alignment Length	**22 Kms** (dedicated 21Kms and mixed traffic 1km)
Mixed Traffic	1 Kms (along Shahrah-e-Faisal from FTC flyover till Nursery flyover)
Grade Separated Structures	8 Underpasses and 2 Elevated U-Turns (at National Medical Center and Akhtar Colony/Khayaban-e-Ittehad)
Rolling Stock	**268 Buses** (*output of the operational plan based on the travel demand*)
Number of BRT Stations	28 (22 stations at-grade and 6 stations at underpass)

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

4. Since the Project pertains to the subject of urban transport and is going to be implemented in the midst of built areas of Karachi there is a dire need of coordination with the relevant department and authorities in adopting integrated stakeholder's management approach

5. In this regard, your good office is requested to extend cooperation during project implementation as such mega project in urban areas will need close coordination among all stakeholders. A meeting with Worthy Chief Secretary is also to be convened, schedule of which will be communicated to you in due course of time.

6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

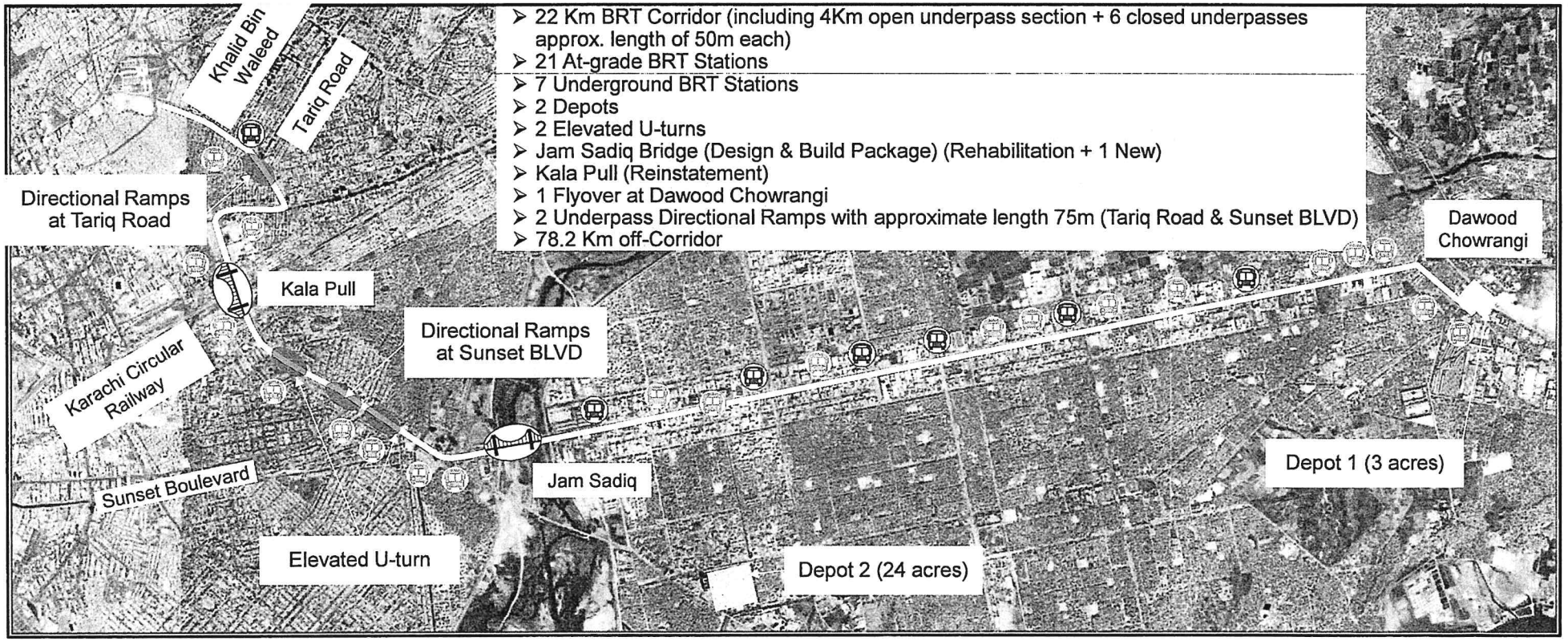
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

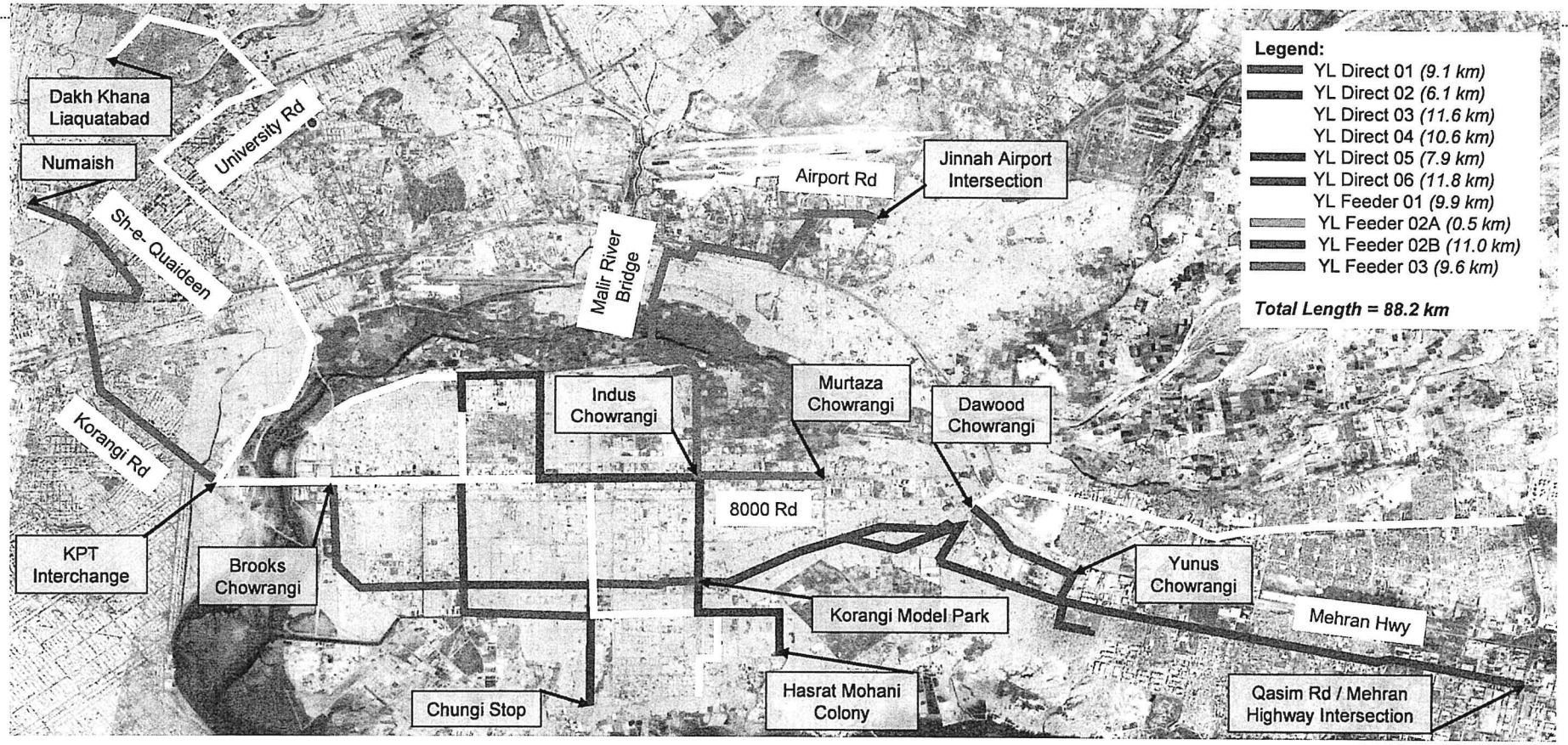
House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Location Plan of Main Yellow BRT Corridor



dar MES PAK

Location Plan of Off-Corridor Improvements



dar NESPAK

Sindh Mass Transit Authority

TRANSPORT & MASS TRANSIT DEPARTMENT
GOVERNMENT OF SINDH

No. DIP/SMTA/2021/ 2.648

Karachi, Dated: 24th January, 2022

To,

The Survey Superintendent,
Board of Revenue,
Karachi.

REMINDER 01

SUBJECT: **Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit) - Marking of Alignment on Deh Maps / Survey numbers.**

With reference to the letter **No. MD/SMTA/2021/L-474** dated **11-11-2021** in which the project background was briefed and details of the consultant was provided that The Sindh Mass Transit Authority, Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed M/s Dar-al-Handasah Consultants (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. to carry out the detailed design, procurement support and construction supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

Furthermore, a set of Yellow BRT drawings and a copy of **"kmz"** file was also attached in order to mark the alignment on Deh Maps for better identification.

In this regards, your good office is requested to kindly expedite the review and verification process of the project alignment on the Deh Maps / Survey Number as per your record and provide the updated information at your earliest to avoid any further delay.

A letter which was sent from our good office for Coordination with stakeholder is attached for your kind reference. **(MD/SMTA/2021/L-425)**

It is also requested to kindly nominate a focal person from your office.

The focal person from SMTA is Mr. Jalal Jafri, Safety, Health, Environment & Quality Specialist, (0331-257-7617)

Focal person from Ms. NESPAK Mr. Rehan Zamin, Chief Engineer, NESPAK (021-99090638/0345-2113830).

24/Jan/2022

DIRECTOR INFRASTRUCTURE & PLANNING
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, GoS
2. Project Director (KMP Yellow – BRT)
3. PS to Secretary Transport and Mass Transit Department, GoS
4. Master File.

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dar Dar Al-Handasah Consultants (Shair and Partners) in Joint Venture

NES PAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0012-22

24th January, 2022

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Geotechnical Survey and Investigations Report Submission

Dear Sirs,

With reference to the above-mentioned project, we are pleased to include herewith, for your kind review and approval, copy of in progress "Geotechnical Survey and Investigations" Report.

The submission consists of the following:

1. Three (3) hard copies of the report (A4 size), and (1) colour (2) B/W
2. One CD including soft copy of the report (PDF and Word Formats)

We shall remain available for any clarification you may find needed pertaining to the subject submission.

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Copy to:

- Managing Director, SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

RECEIVED
SMTA-TMTD
No: 608
25-01-2022

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box 5491, Kingdom of Bahrain
T +973 17 533 582 | F +973 17 533 583 | E manama@dar.com

National Refinery Limited

PABX : 35064977-79
35064981-86
UAN : 111-675-675
website : www.nrlpak.com

7-B, Korangi Industrial Zone, Korangi. P.O. Box: 8228, Karachi-74900 - Pakistan

January 14, 2022

Director Infrastructure / planning
Karachi Mobility Project
Yellow BRT, (SMTA)

Subject: **PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT)**

This is with reference to your letter Ref. # DIP/SMTA/YLC/DDCS/2021/L-605 dated January 4th, 2022 regarding the above subject matter.

In this regard, please be noted that we have already sent a letter to Mr. Rehan Zamin (Chief Engineer, Project Manager BRT) of M/s Nespak on January 4th 2022 (copy attached). Also its copy sent to you as well as other relevant offices.

In which we have mentioned that we have reviewed all the locations of trial/test pits in your provided drawings and found that UTP-24, UTP-29, UTP-30, UTP-32 and UTP-33 are the proposed utility test pits related to NRL utility lines.

On this activity, we assured that NRL Representative will be present during excavation of the above mentioned UTPs.

Best Regards,

Syed Imtiaz Hussain
Senior Manager (E & P)
National Refinery Limited

cc: Managing Director, Sindh Mass Transit Authority, Government of Sindh
Project Director, Sindh Mass Transit Authority, Government of Sindh
Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
Rehan Zamin, Nespak, Karachi
PS to Secretary, Transport & Mass Transit Department, Government of Sindh

RECEIVED
SMTA-TMTD
Dairy No: L-585
Dated: 18-01-2022

National Refinery Limited

PABX : 35064977-79
35064981-86
UAN : 111-675-675
website : www.nrlpak.com

7-B, Korangi Industrial Zone, Korangi. P.O. Box: 8228, Karachi-74900 - Pakistan

January 4, 2022

Mr. Rehan Zamin,
Chief Engineer, Project Manager Yellow BRT,
M/s.NESPAK (Pvt) Ltd.

Subject: **PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT)**

This is with reference to your letter Ref.#4309/50P/RZ/01/2447 dated December 29,2021 regarding the above subject matter.

In this regard, please be noted that we have reviewed all the locations of trial/test pits in your provided drawings and found that uTP-24, UTP-29, uTP-30, uTp-32 and uTP-33 are the proposed utility test pits related to NRL utility lines.

On this activity, we assign our Civil Engineer Mr. Yasir Hussain(cell# 03353510390) who will be present during excavation of the above mentioned uTPs.

Best Regards,

Syed Imtiaz Hussain
Senior Manager (E & P)
National Refinery Limited

cc: Project Director KMP(Yellow BRT)
Director Infrastructure SMTA Khi
GM/Heasd NESPAK, Karachi

bcc: GM(Ops)
AGM(M & P)
Sr.Mgr. (A &S)
Sr.Mgr.(OM &U)
Sr.Mgr.(Maint)
Mgr.Engg

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No. MD/ SMTA/2021 L-624

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

Karachi, Dated: Tuesday, January 11, 2021

To,
Managing Director,
Karachi Water and Sewerage Board,
Karachi.

SUBJECT: **REQUEST FOR COORDINATION DURING DESIGN, CONSTRUCTION AND SUPERVISION OF KMP (YELLOW BRT)**

With reference to the letter No. **PD/SMTA/YLC/DDCS/2021/L-425 dated 18-10-2021,** in which the project brief was given and salient features of the project were provided.

Followed by another letter **PD/SMTA/YLC/DDCS/2021/L-591 dated 31-12-2021** in which it was requested to convene a meeting and provide focal person for coordination during project activities.

This is for your kind information that SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of detailed designs and providing procurement support and construction supervision services.

Your good office is requested to kindly streamline the nomination process and provide focal person at your earliest in order to have close coordination regarding project related queries and avoid further delay. Furthermore, it is also requested to convene the date and time for joint meeting with KWSB area in-charge (Bulk water, sewerage & distribution) for the project alignment from Dowood Chorwangi to Numaish.

Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com, 0345-2113830).

The Focal Person from SMTA is Mr. Jalal Jafri – Safety, Health, Environment & Quality Specialist (sheq.kmp.ylc@gmail.com, 0331-2577617).

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and as KWSB being the important stakeholder, timely response from your good office is highly anticipated, which is in the best interest of the project.

11/1/22

CAPT (R) ABDUL SATTAR ISANI, PAS
MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425
Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-591

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Planning, Sindh Mass Transit Authority, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Local Government, Government of Sindh.
5. PS to Chairman Planning and Development Board, Government of Sindh.
6. PS to Secretary Transport and Mass Transit Department.
7. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-610

Karachi Dated: Tuesday, January 4th, 2022

To,

MANAGING DIRECTOR,
Pakistan State Oil, Karachi

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawing of trial pit locations are attached.

You are requested to review the location where trial pits and assign a coordinator to be present during excavation.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022.

for

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
   Government of Sindh

4. **SECRETARY**
   Local Government Department,
   Government of Sindh

5. **SECRETARY**
   Department of Culture, Tourism, Antiquities and Archives,
   Government of Sindh

6. **ADMINISTRATOR**
   Karachi Metropolitan Corporation

7. **DIRECTOR GENERAL**
   Sindh Environmental Protection Agency

8. **DIRECTOR GENERAL**
   Civil Aviation Authority

9. **GENERAL MANAGER**
   National Highway Authority, Karachi

10. **DIRECTOR GENERAL**
    Sindh Building Control Authority

11. **DIRECTOR GENERAL**
    Karachi Development Authority,

12. **DIVISIONAL SUPERINTENDENT**
    Pakistan Railway, Karachi

13. **PRESIDENT**
    Karachi Chamber of Commerce & Industry

14. **DIG**
    Karachi Traffic Police

15. **AIG, KARACHI**
    Sindh Police

16. **PAF**
    Air Officer Commanding Southern Air Command

17. **DG RANGERS**
    Pakistan Rangers

18. **KARACHI CANTONMENT BOARD**

19. **FAISAL CANTONMENT BOARD**

20. **CLIFTON CANTONMENT BOARD**

21. **MANAGING DIRECTOR**
    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

23. **MANAGING DIRECTOR**
National Telecom Corporation

24. **VICE PRESIDENT**
Pakistan Telecommunication Company Limited

25. **MANAGING DIRECTOR**
Pak Arab Refinery Company Limited

26. **MANAGING DIRECTOR**
Southern Sui Gas Company Ltd

27. **MANAGING DIRECTOR**
Pakistan State Oil

28. **MANAGING DIRECTOR**
National Refinery Limited

29. **CHIEF EXECUTIVE OFFICER**
Mobilink

30. **CHIEF EXECUTIVE OFFICER**
Telenor

31. **CHIEF EXECUTIVE OFFICER**
U-Fone

32. **CHIEF EXECUTIVE OFFICER**
Zong

33. **BUSINESS UNIT HEAD**
Storm Fiber

SUBJECT: **COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.**

It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

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House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

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8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

PROPOSED UTILITY TEST PITS LOCATIONS

UTP NO.	EASTING	NORTHING	DEPTH (m)
UTP-01	316233.967	2749679.796	2.0
UTP-02	316215.429	2749621.562	2.0
UTP-03	316268.39	2749650.21	2.0
UTP-04	316206.262	2749640.236	2.0
UTP-05	316413.55	2749680.618	2.0
UTP-06	316066.785	2749611.698	2.0
UTP-07	314174.183	2749189.094	2.0
UTP-08	314195.885	2749230.642	2.0
UTP-09	314158.019	2749247.663	2.0
UTP-10	314122.635	2749261.961	2.0
UTP-11	314032.58	2749242.002	2.0
UTP-12	314078.86	2749182.295	2.0
UTP-13	314008.577	2749160.794	2.0
UTP-14	314074.295	2749206.825	2.0
UTP-15	312260.487	2748814.802	2.0
UTP-16	312248.831	2748869.83	2.0
UTP-17	312090.338	2748806.57	2.0
UTP-18	312320.271	2748827.502	2.0
UTP-19	312129.906	2748778.962	2.0
UTP-20	311432.573	2748723.716	2.0
UTP-21	311351.08	2748699.51	2.0
UTP-22	311462.592	2748646.533	2.0
UTP-23	311375.855	2748628.474	2.0
UTP-24	310186.257	2748457.14	2.0
UTP-25	310180.422	2748389.391	2.0
UTP-26	310037.898	2748418.67	2.0
UTP-27	310033.161	2748351.241	2.0
UTP-28	308046.481	2748005.621	2.0
UTP-29	307936.427	2747980.634	2.0
UTP-30	307912.603	2748005.455	2.0
UTP-31	307986.539	2747928.964	2.0
UTP-32	307944.454	2747939.998	2.0
UTP-33	307927.577	2747952.659	2.0
UTP-34	305689.891	2747732.041	2.0
UTP-35	304961.847	2748115.702	2.0
UTP-36	304979.63	2748167.806	2.0
UTP-37	304921.5	2748135.642	2.0
UTP-38	304138.188	2748659.89	2.0
UTP-39	304084.701	2748627.035	2.0
UTP-40	303766.029	2748824.28	2.0
UTP-41	303799.471	2748871.313	2.0
UTP-42	303685	2748877.254	2.0
UTP-43	303300.592	2749792.027	2.0
UTP-44	303323.417	2749801.328	2.0
UTP-45	303293.309	2749895.079	2.0
UTP-46	303255.639	2749861.203	2.0
UTP-47	303103.482	2750753.135	2.0
UTP-48	303164.244	2750754.818	2.0
UTP-49	303223.288	2750801.054	2.0
UTP-50	303416.485	2750850.682	2.0
UTP-51	303445.51	2750799.476	2.0
UTP-52	303809.27	2750843.282	2.0
UTP-53	303855.145	2750919.979	2.0

NOTES :-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE EXACT LOCATION OF THE TEST PIT (TP) SHALL BE DETERMINED ON SITE BY THE CONTRACTOR SUBJECT TO THE ENGINEER'S APPROVAL, CONTRACTOR HAS THE RIGHT TO SLIGHTLY SHIFT THE LOCATIONS OF TEST PIT (TP) SUBJECT TO THE ENGINEER'S APPROVAL.
3. TP SHOWN ON DRAWING SHALL BE EXECUTED WITHIN THE ASPHALT PAVEMENT OF THE EXISTING ROAD AND TO THE DEPTHS AS MENTIONED IN THE DRAWING.
4. TEST PIT (TP) COORDINATES ARE BASED ON GLOBAL COORDINATES UTM-WGS84.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES AND OTHER BURIED STRUCTURES AND SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO IT DURING PAVEMENT EVALUATION TESTING. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO REPAIR ANY DAMAGES TO THE EXISTING UTILITIES AND/OR BURIED STRUCTURES AND FOR THE FULL REINSTATEMENT OF THE SURFACE AFFECTED BY THE EXCAVATION WORKS.
6. THE PROPOSED TEST PITS LOCATION (TP-37, TP-38, TP-39, TP-40, TP-42, TP-44, TP-46, TP-48, TP-49) ARE INDICATIVE ONLY AND MIGHT BE REVISED BASED ON THE FINIAL ROUTE LAYOUT. THE CONTRACTOR SHALL NOT PROCEED WITH THOSE TRIAL PITS UNTIL RECEIVING AN APPROVAL FROM THE ENGINEER

LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY	CONSULTANT	KEY PLAN	NOTES & LEGEND
FUNDING AGENCY: THE WORLD BANK			

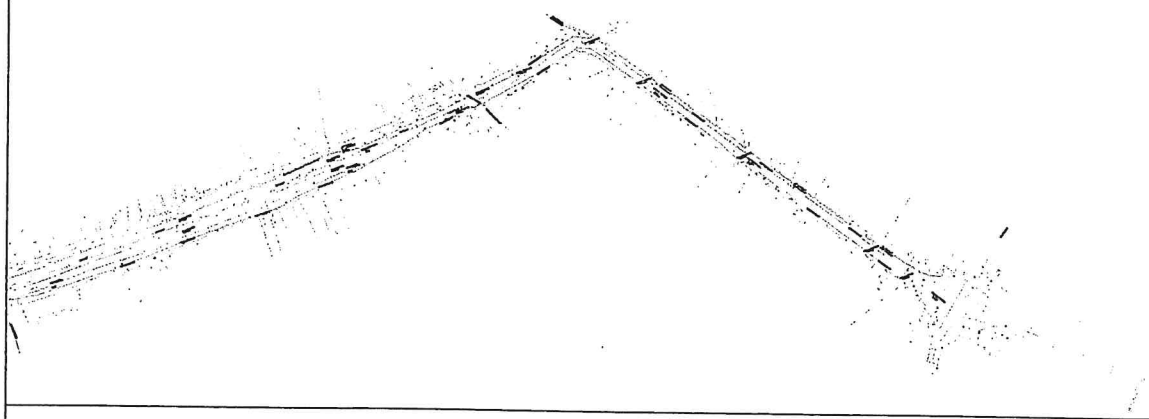
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

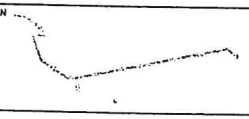
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE	DRAWING NUMBER	REVISION
13/12/21	P21161/4309-00-TD-G-001	REV 0



FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN	NOTES & LEGEND
SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	dar		
FUNDING AGENCY THE WORLD BANK			

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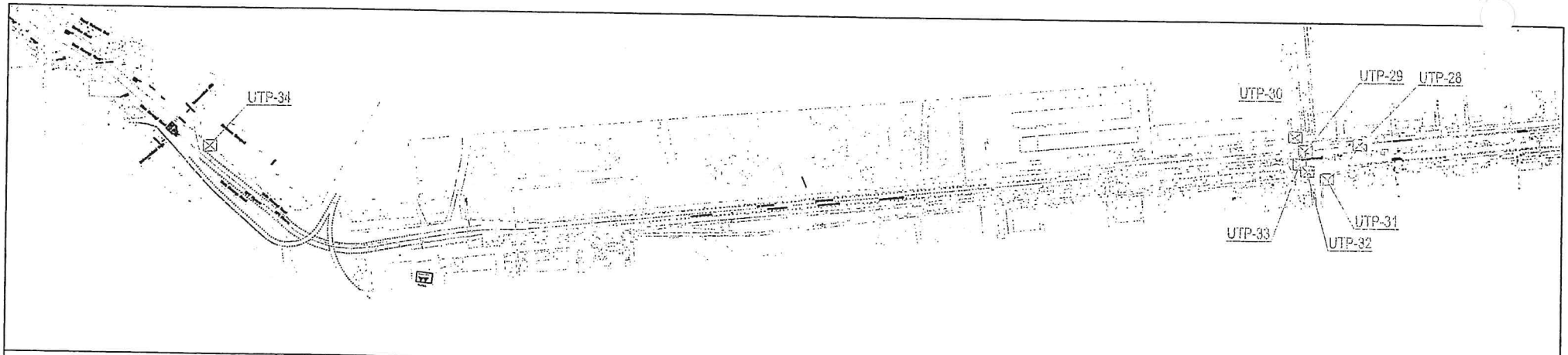
PROJECT TITLE
KARACHI MOBILITY PROJECT - YELLOW BRT LINE

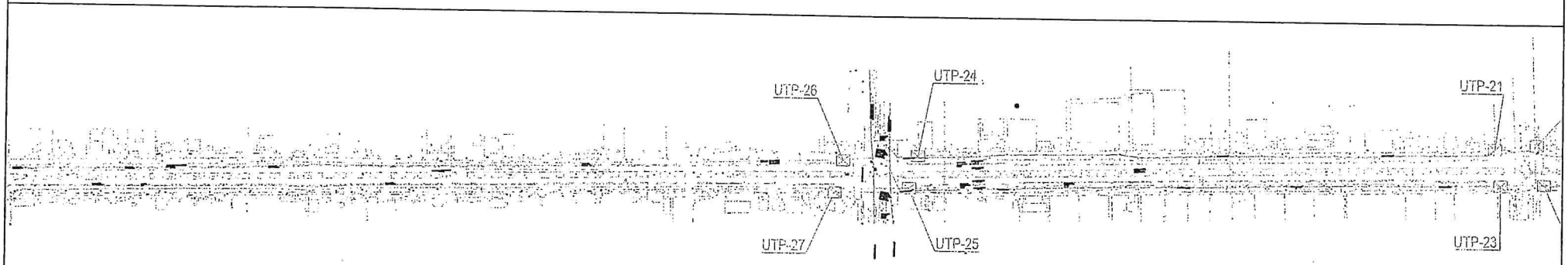
DRAWING TITLE
DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

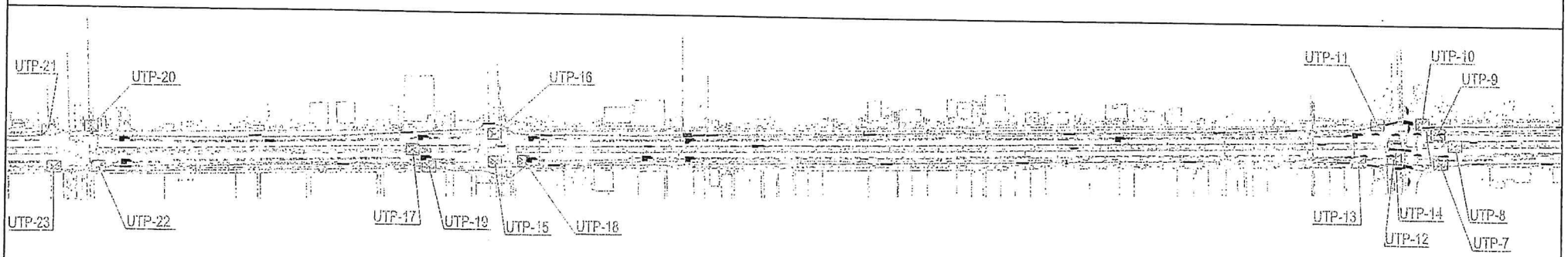
SCALE 1:4000

DATE	DRAWING NUMBER	REVISION
13/12/21	P21161/4309-00-TD-G-002	REV 0

291







FOR INFORMATION
December 2021

CLIENT	SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)
FUNDING AGENCY	THE WORLD BANK
CONSULTANT	AECOM
KEY PLAN	
NOTES & LEGEND	

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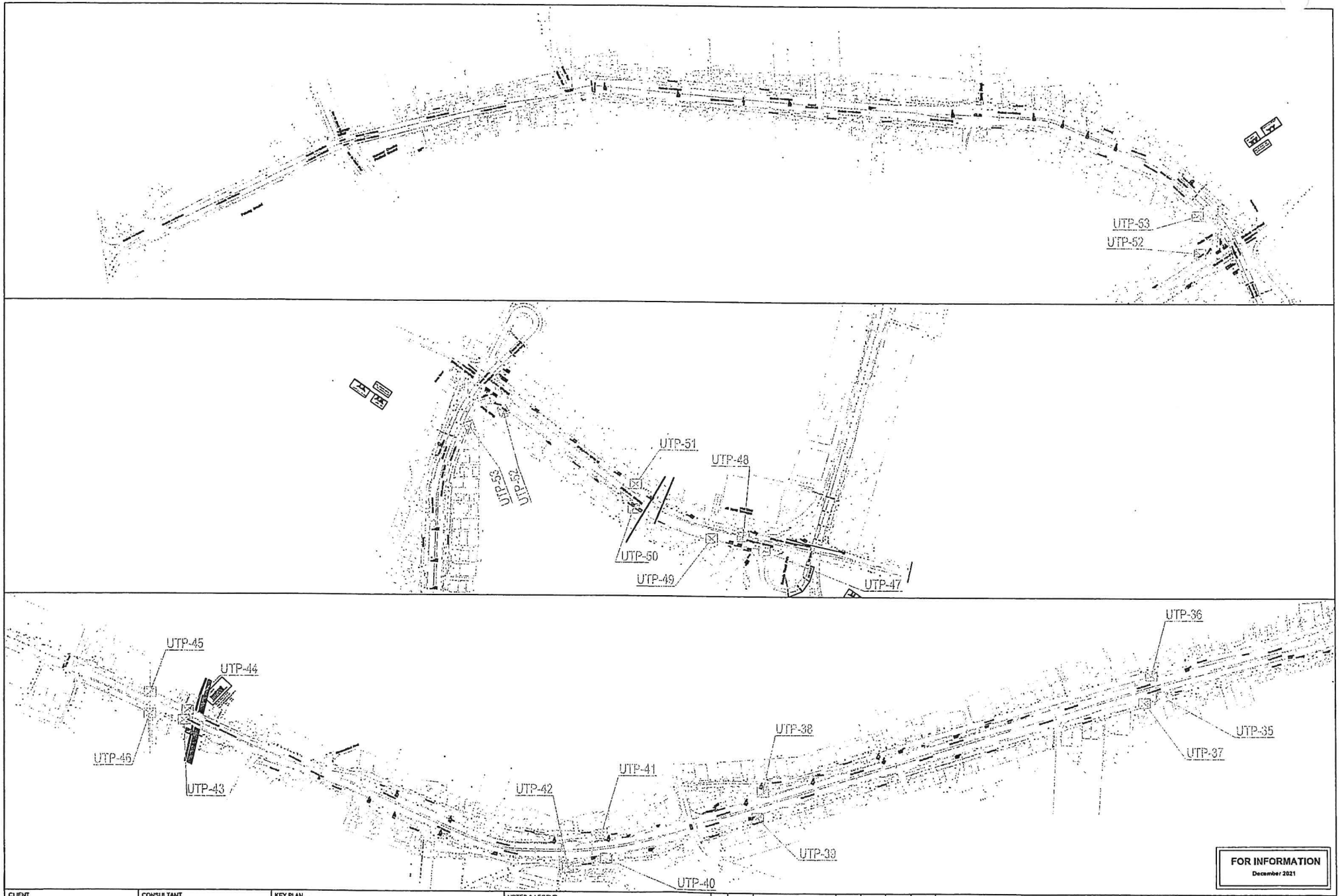
SCALE	1:4000
DATE	13/12/21
DRAWING NUMBER	P21101/4309-00-TD-G-003
REVISION	REV 0



FOR INFORMATION
December 2021

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FUNDING AGENCY	THE WORLD BANK
CONSULTANT	dar, PBES, PAK
KEY PLAN	
NOTES & LEGEND	

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PROJECT TITLE	KARACHI MOBILITY PROJECT - YELLOW BRT LINE
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DATE	13/12/21
DRAWING NUMBER	P21161/4309-00-TD-G-004
REVISION	REV 0

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GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-609

Karachi Dated: Tuesday, January 4th, 2022

To,

DIRECTOR,
National Telecommunication Company, Karachi

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawing of trial pit locations are attached.

You are requested to review the location where trial pits and assign a coordinator to be present during excavation.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

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No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
   Government of Sindh

4. **SECRETARY**
   Local Government Department,
   Government of Sindh

5. **SECRETARY**
   Department of Culture, Tourism, Antiquities and Archives,
   Government of Sindh

6. **ADMINISTRATOR**
   Karachi Metropolitan Corporation

7. **DIRECTOR GENERAL**
   Sindh Environmental Protection Agency

8. **DIRECTOR GENERAL**
   Civil Aviation Authority

9. **GENERAL MANAGER**
   National Highway Authority, Karachi

10. **DIRECTOR GENERAL**
    Sindh Building Control Authority

11. **DIRECTOR GENERAL**
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12. **DIVISIONAL SUPERINTENDENT**
    Pakistan Railway, Karachi

13. **PRESIDENT**
    Karachi Chamber of Commerce & Industry

14. **DIG**
    Karachi Traffic Police

15. **AIG, KARACHI**
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    Air Officer Commanding Southern Air Command

17. **DG RANGERS**
    Pakistan Rangers

18. **KARACHI CANTONMENT BOARD**

19. **FAISAL CANTONMENT BOARD**

20. **CLIFTON CANTONMENT BOARD**

21. **MANAGING DIRECTOR**
    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

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National Telecom Corporation

24. **VICE PRESIDENT**
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25. **MANAGING DIRECTOR**
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29. **CHIEF EXECUTIVE OFFICER**
Mobilink

30. **CHIEF EXECUTIVE OFFICER**
Telenor

31. **CHIEF EXECUTIVE OFFICER**
U-Fone

32. **CHIEF EXECUTIVE OFFICER**
Zong

33. **BUSINESS UNIT HEAD**
Storm Fiber

SUBJECT: **COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.**

It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

The proposed corridor alignment:	from **Dawood Chowrangi (Korangi)** till **Numaish** via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.
Alignment Length	**22 Kms** (dedicated 21Kms and mixed traffic 1km)
Mixed Traffic	1 Kms (along Shahrah-e-Faisal from FTC flyover till Nursery flyover)
Grade Separated Structures	8 Underpasses and 2 Elevated U-Turns (at National Medical Center and Akhtar Colony/Khayaban-e-Ittehad)
Rolling Stock	**268 Buses** (*output of the operational plan based on the travel demand*)
Number of BRT Stations	28 (22 stations at-grade and 6 stations at underpass)

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

4. Since the Project pertains to the subject of urban transport and is going to be implemented in the midst of built areas of Karachi there is a dire need of coordination with the relevant department and authorities in adopting integrated stakeholder's management approach

5. In this regard, your good office is requested to extend cooperation during project implementation as such mega project in urban areas will need close coordination among all stakeholders. A meeting with Worthy Chief Secretary is also to be convened, schedule of which will be communicated to you in due course of time.

6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

PROPOSED UTILITY TEST PITS LOCATIONS

UTP NO.	EASTING	NORTHING	DEPTH (m)
UTP-01	316233.967	2749679.796	2.0
UTP-02	316215.429	2749621.562	2.0
UTP-03	316268.39	2749650.21	2.0
UTP-04	316206.262	2749640.236	2.0
UTP-05	316413.55	2749680.618	2.0
UTP-06	316066.785	2749611.698	2.0
UTP-07	314174.183	2749189.094	2.0
UTP-08	314195.885	2749230.642	2.0
UTP-09	314158.019	2749247.663	2.0
UTP-10	314122.635	2749261.961	2.0
UTP-11	314032.58	2749242.002	2.0
UTP-12	314078.86	2749182.295	2.0
UTP-13	314008.577	2749160.794	2.0
UTP-14	314074.295	2749206.825	2.0
UTP-15	312260.487	2748814.802	2.0
UTP-16	312248.831	2748869.83	2.0
UTP-17	312090.338	2748806.57	2.0
UTP-18	312320.271	2748827.502	2.0
UTP-19	312129.906	2748778.962	2.0
UTP-20	311432.573	2748723.716	2.0
UTP-21	311351.08	2748699.51	2.0
UTP-22	311462.592	2748646.533	2.0
UTP-23	311375.855	2748628.474	2.0
UTP-24	310186.257	2748457.14	2.0
UTP-25	310180.422	2748389.391	2.0
UTP-26	310037.898	2748418.67	2.0
UTP-27	310033.161	2748351.241	2.0
UTP-28	308046.481	2748005.621	2.0
UTP-29	307936.427	2747980.634	2.0
UTP-30	307912.603	2748005.455	2.0
UTP-31	307986.539	2747928.964	2.0
UTP-32	307944.454	2747939.998	2.0
UTP-33	307927.577	2747952.659	2.0
UTP-34	305689.891	2747732.041	2.0
UTP-35	304961.847	2748115.702	2.0
UTP-36	304979.63	2748167.806	2.0
UTP-37	304921.5	2748135.642	2.0
UTP-38	304138.188	2748659.89	2.0
UTP-39	304084.701	2748627.035	2.0
UTP-40	303766.029	2748824.28	2.0
UTP-41	303799.471	2748871.313	2.0
UTP-42	303685	2748877.254	2.0
UTP-43	303300.592	2749792.027	2.0
UTP-44	303323.417	2749801.328	2.0
UTP-45	303293.309	2749895.079	2.0
UTP-46	303255.639	2749861.203	2.0
UTP-47	303103.482	2750753.135	2.0
UTP-48	303164.244	2750754.818	2.0
UTP-49	303223.288	2750801.054	2.0
UTP-50	303416.485	2750850.682	2.0
UTP-51	303445.51	2750799.476	2.0
UTP-52	303809.27	2750843.282	2.0
UTP-53	303855.145	2750919.979	2.0

NOTES :-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE EXACT LOCATION OF THE TEST PIT (TP) SHALL BE DETERMINED ON SITE BY THE CONTRACTOR SUBJECT TO THE ENGINEER'S APPROVAL, CONTRACTOR HAS THE RIGHT TO SLIGHTLY SHIFT THE LOCATIONS OF TEST PIT (TP) SUBJECT TO THE ENGINEER'S APPROVAL.
3. TP SHOWN ON DRAWING SHALL BE EXECUTED WITHIN THE ASPHALT PAVEMENT OF THE EXISTING ROAD AND TO THE DEPTHS AS MENTIONED IN THE DRAWING.
4. TEST PIT (TP) COORDINATES ARE BASED ON GLOBAL COORDINATES UTM-WGS84.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES AND OTHER BURIED STRUCTURES AND SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO IT DURING PAVEMENT EVALUATION TESTING. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO REPAIR ANY DAMAGES TO THE EXISTING UTILITIES AND/OR BURIED STRUCTURES AND FOR THE FULL REINSTATEMENT OF THE SURFACE AFFECTED BY THE EXCAVATION WORKS.
6. THE PROPOSED TEST PITS LOCATION (TP-37, TP-38, TP-39, TP-40, TP-42, TP-44, TP-46, TP-48, TP-49) ARE INDICATIVE ONLY AND MIGHT BE REVISED BASED ON THE FINIAL ROUTE LAYOUT. THE CONTRACTOR SHALL NOT PROCEED WITH THOSE TRIAL PITS UNTIL RECEIVING AN APPROVAL FROM THE ENGINEER

LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY, TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH
FUNDING AGENCY: THE WORLD BANK
CONSULTANT: NESPAK
KEY PLAN
NOTES & LEGEND

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SCALE: 1:4000

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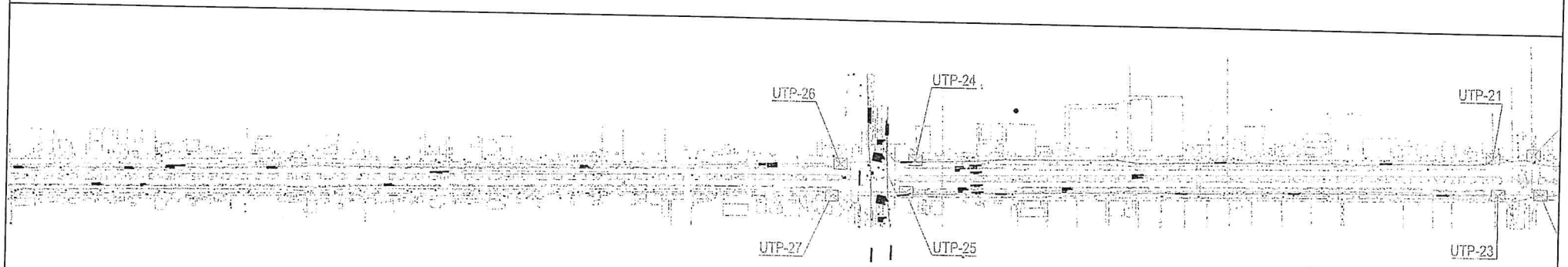

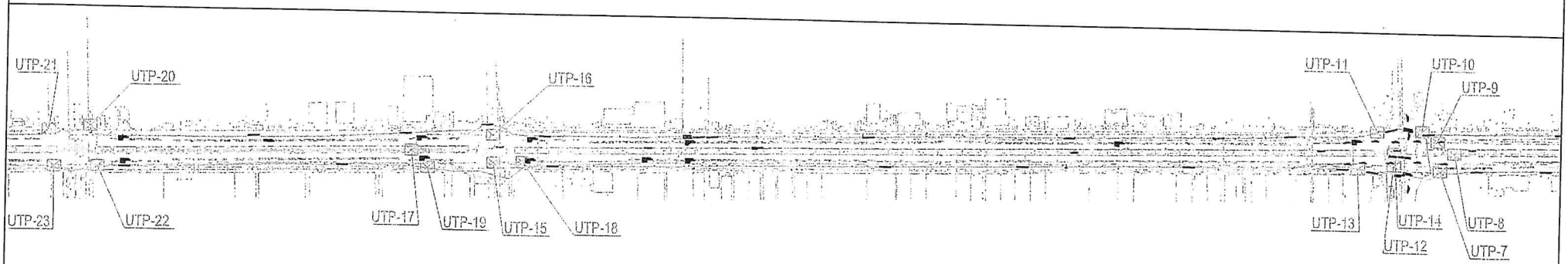

FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN
SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	dar NESPAK	
FUNDING AGENCY THE WORLD BANK		

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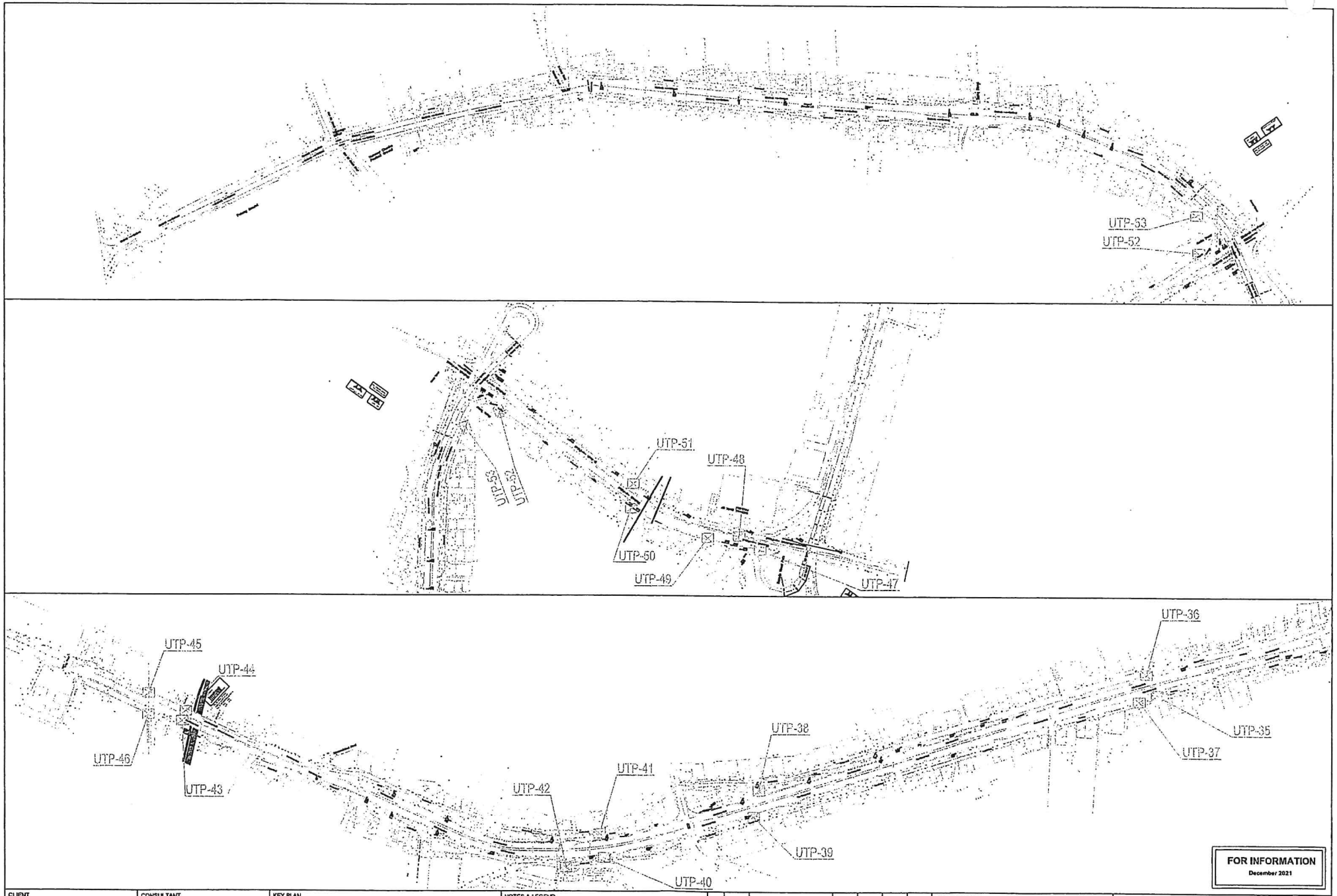

FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN	NOTES & LEGEND
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REVISION: REV 0

GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-608

Karachi Dated: Tuesday, January 4th, 2022

To,

CHIEF EXECUTIVE OFFICER,
K-Electric, Karachi

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

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12/01/2022

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

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2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

No. MD/ SMTA/2021/2-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
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3. **SECRETARY**
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SUBJECT: **COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.**

It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

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House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

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6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

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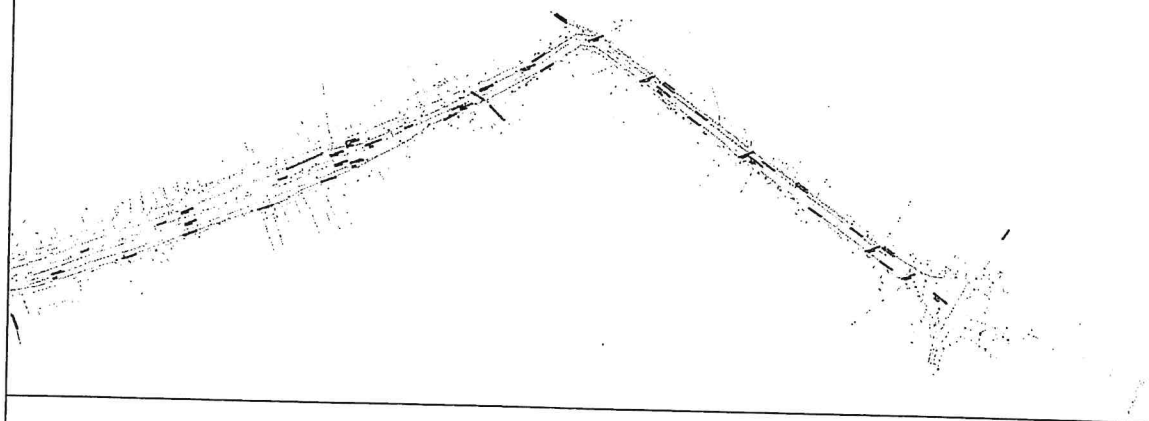
LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY	CONSULTANT	KEY PLAN	NOTES & LEGEND					PROJECT TITLE	DRAWING TITLE	SCALE
FUNDING AGENCY: THE WORLD BANK								KARACHI MOBILITY PROJECT - YELLOW BRT LINE	DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	1:4000
				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.	DATE: 13/12/21	DRAWING NUMBER: P21161/4309-00-TD-G-001	REVISION: REV 0
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED			



FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN	NOTES & LEGEND
SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	dar NES PAK		
FUNDING AGENCY THE WORLD BANK			

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

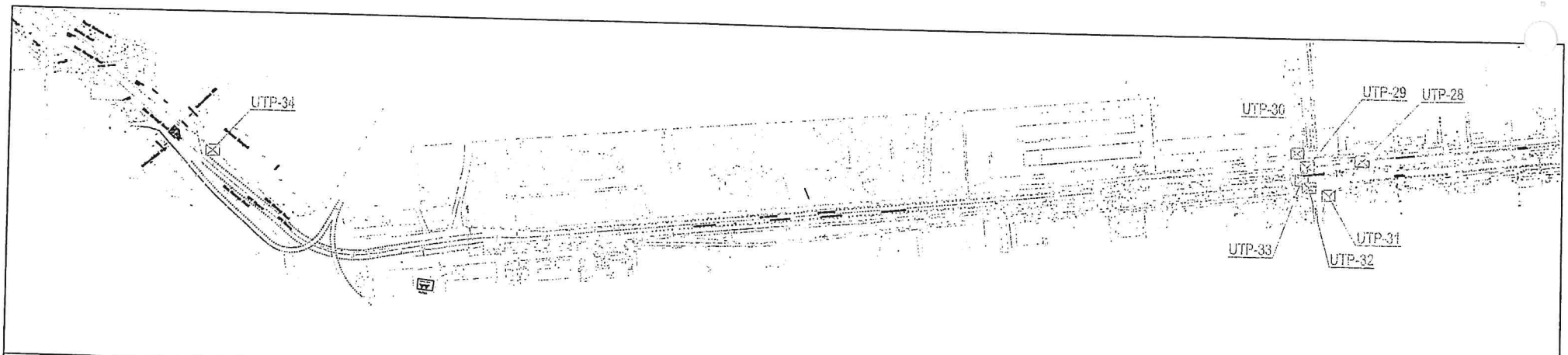
PROJECT TITLE
KARACHI MOBILITY PROJECT - YELLOW BRT LINE

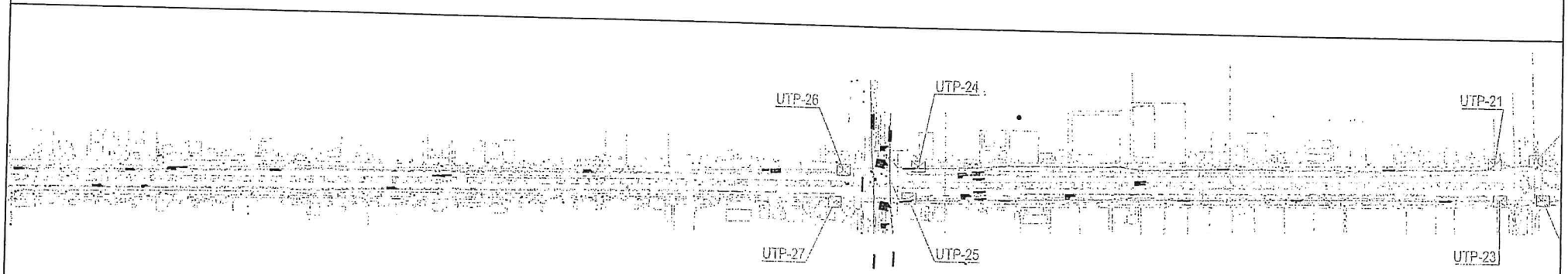
DRAWING TITLE
DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

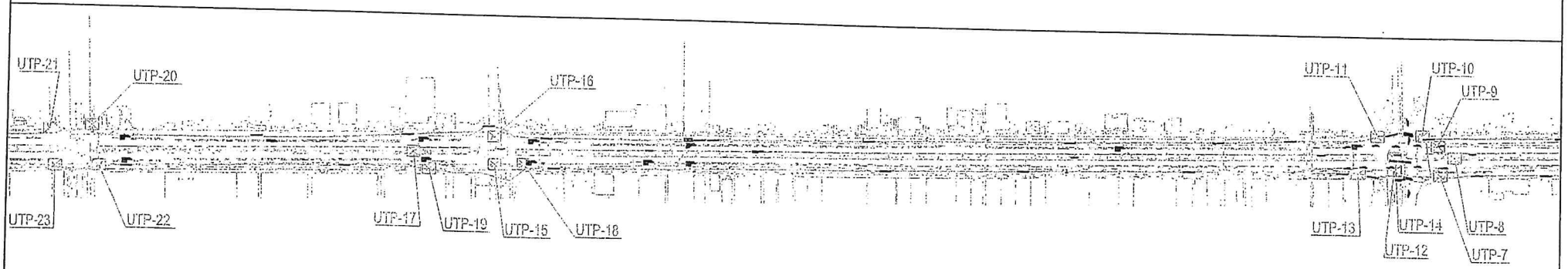
SCALE 1:4000

DATE	DRAWING NUMBER	REVISION
13/12/21	P21161/4309-00-TD-G-002	REV 0

261







FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)

FUNDING AGENCY: THE WORLD BANK

CONSULTANT

KEY PLAN

NOTES & LEGEND

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

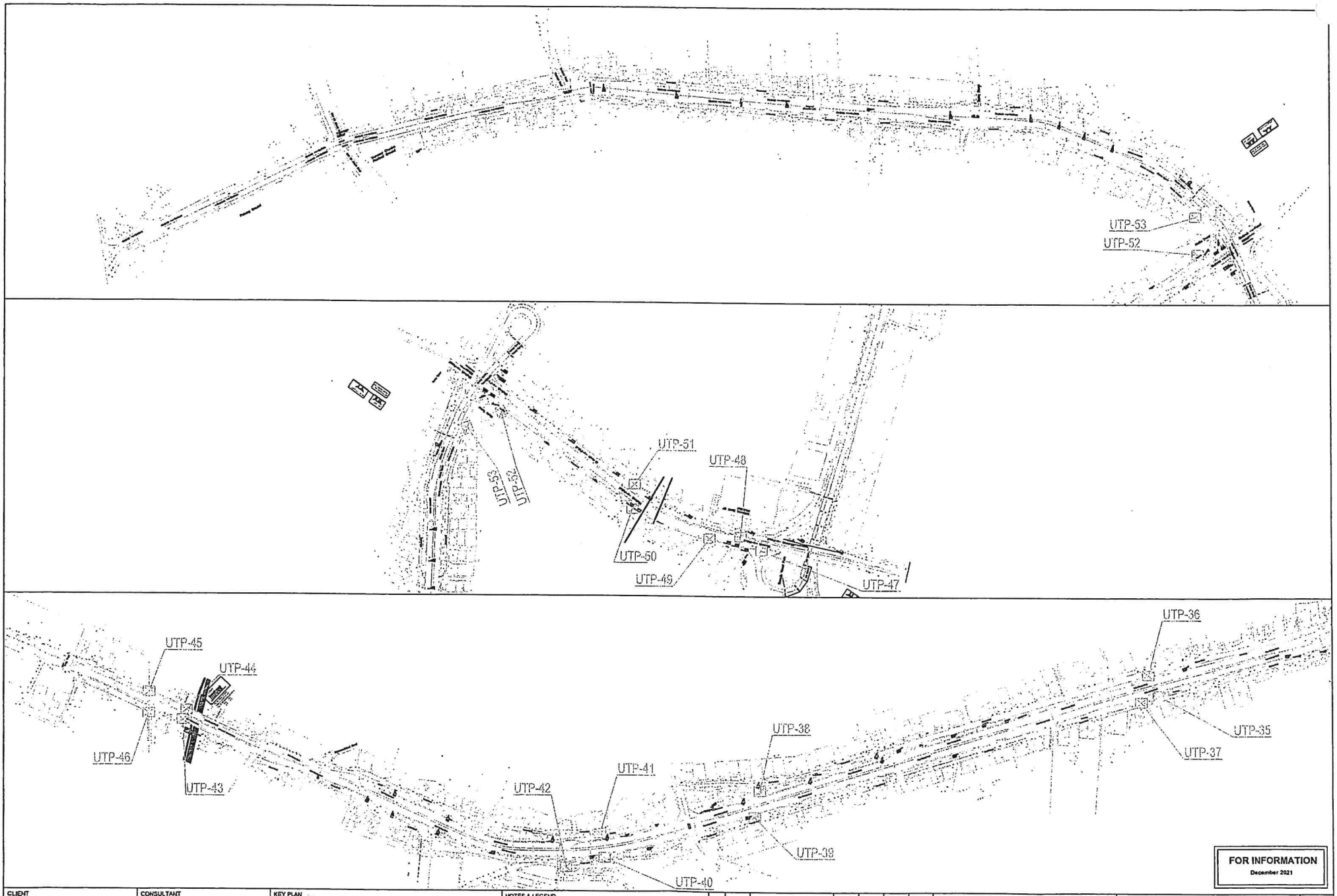
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21101/4309-00-TD-G-003

REVISION: REV 0



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FUNDING AGENCY	THE WORLD BANK
CONSULTANT	dar PBES PAK
KEY PLAN	
NOTES & LEGEND	

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SCALE	1:4000
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DRAWING NUMBER	P21161/4309-00-TD-G-004
REVISION	REV 0

255

GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/2-667

Karachi Dated: Tuesday, January 4th, 2022

To,

EXECUTIVE VICE PRESIDENT,
Business Zone South, Karachi

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawing of trial pit locations are attached.

You are requested to review the location where trial pits and assign a coordinator to be present during excavation.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022.

for

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
   Government of Sindh

4. **SECRETARY**
   Local Government Department,
   Government of Sindh

5. **SECRETARY**
   Department of Culture, Tourism, Antiquities and Archives,
   Government of Sindh

6. **ADMINISTRATOR**
   Karachi Metropolitan Corporation

7. **DIRECTOR GENERAL**
   Sindh Environmental Protection Agency

8. **DIRECTOR GENERAL**
   Civil Aviation Authority

9. **GENERAL MANAGER**
   National Highway Authority, Karachi

10. **DIRECTOR GENERAL**
    Sindh Building Control Authority

11. **DIRECTOR GENERAL**
    Karachi Development Authority,

12. **DIVISIONAL SUPERINTENDENT**
    Pakistan Railway, Karachi

13. **PRESIDENT**
    Karachi Chamber of Commerce & Industry

14. **DIG**
    Karachi Traffic Police

15. **AIG, KARACHI**
    Sindh Police

16. **PAF**
    Air Officer Commanding Southern Air Command

17. **DG RANGERS**
    Pakistan Rangers

18. **KARACHI CANTONMENT BOARD**

19. **FAISAL CANTONMENT BOARD**

20. **CLIFTON CANTONMENT BOARD**

21. **MANAGING DIRECTOR**
    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

23. MANAGING DIRECTOR
National Telecom Corporation

24. VICE PRESIDENT
Pakistan Telecommunication Company Limited

25. MANAGING DIRECTOR
Pak Arab Refinery Company Limited

26. MANAGING DIRECTOR
Southern Sui Gas Company Ltd

27. MANAGING DIRECTOR
Pakistan State Oil

28. MANAGING DIRECTOR
National Refinery Limited

29. CHIEF EXECUTIVE OFFICER
Mobilink

30. CHIEF EXECUTIVE OFFICER
Telenor

31. CHIEF EXECUTIVE OFFICER
U-Fone

32. CHIEF EXECUTIVE OFFICER
Zong

33. BUSINESS UNIT HEAD
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6. THE PROPOSED TEST PITS LOCATION (TP-37, TP-38, TP-39, TP-40, TP-42, TP-44, TP-46, TP-48, TP-49) ARE INDICATIVE ONLY AND MIGHT BE REVISED BASED ON THE FINIAL ROUTE LAYOUT. THE CONTRACTOR SHALL NOT PROCEED WITH THOSE TRIAL PITS UNTIL RECEIVING AN APPROVAL FROM THE ENGINEER

LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN
SINDH MASS TRANSIT AUTHORITY	NESPAK	NOTES & LEGEND
FUNDING AGENCY		

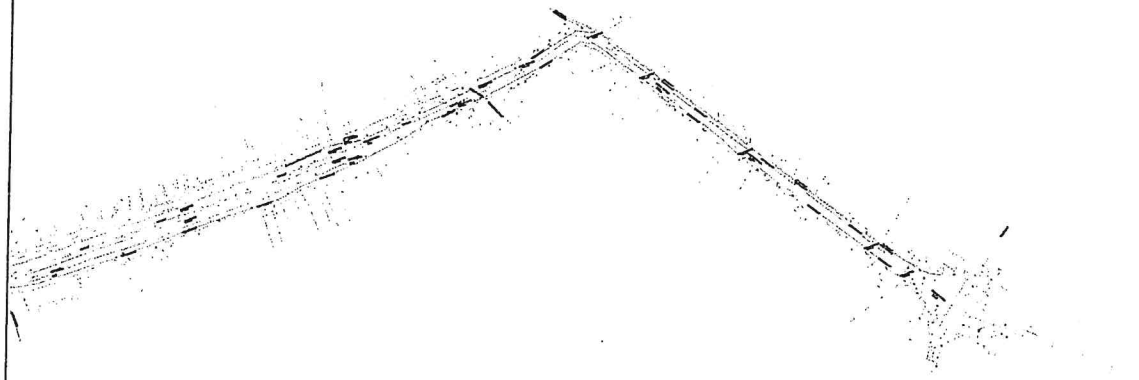
REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE	DRAWING NUMBER	REVISION
13/12/21	P21161/4309-00-TD-G-001	REV 0



FOR INFORMATION
December 2021

CLIENT	SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH
FUNDING AGENCY	THE WORLD BANK
CONSULTANT	dar MBS PAK
KEY PLAN	
NOTES & LEGEND	

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
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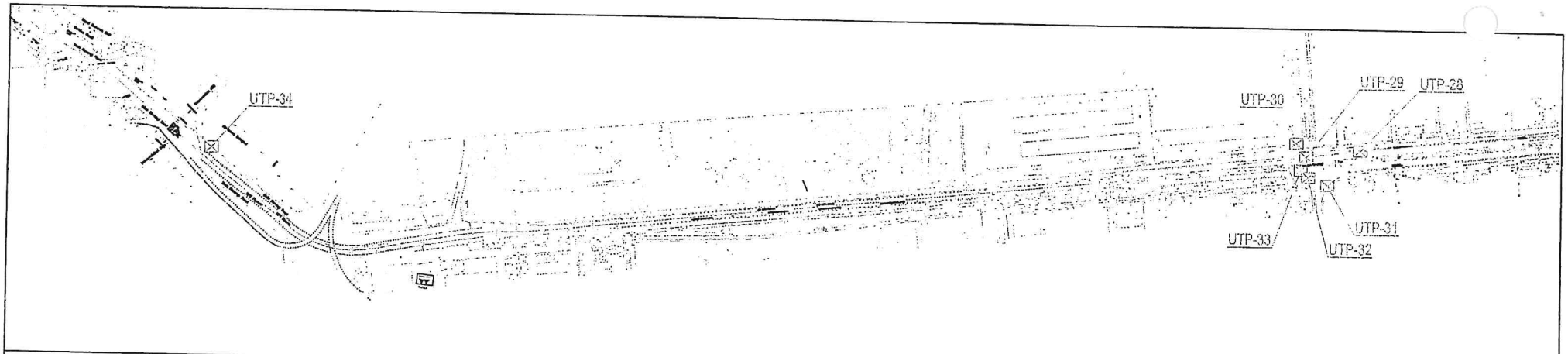
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

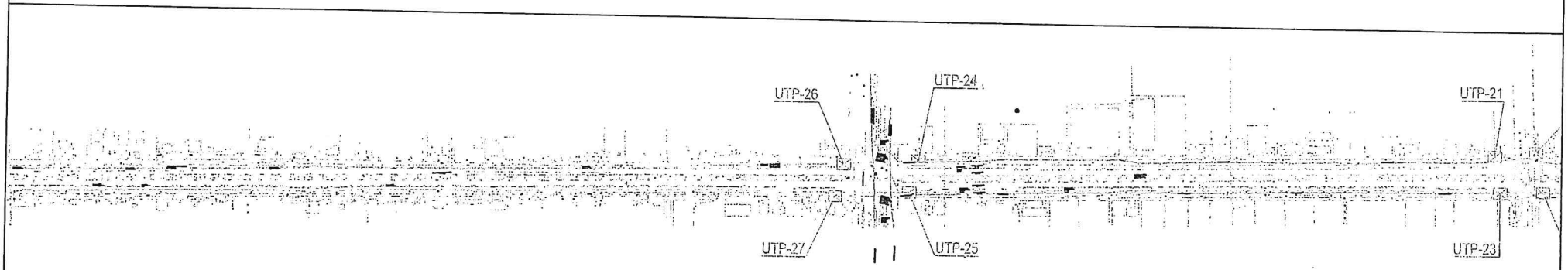
SCALE: 1:4000

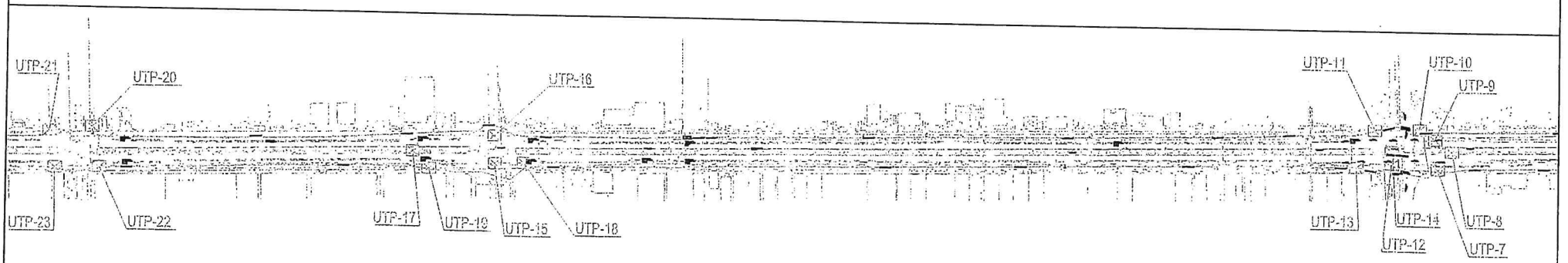
DATE: 13/12/21

DRAWING NUMBER: P21101/4309-00-TD-G-002

REVISION: REV 0







FOR INFORMATION
December 2021

CLIENT
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH

FUNDING AGENCY
THE WORLD BANK

CONSULTANT
NESPAK

KEY PLAN

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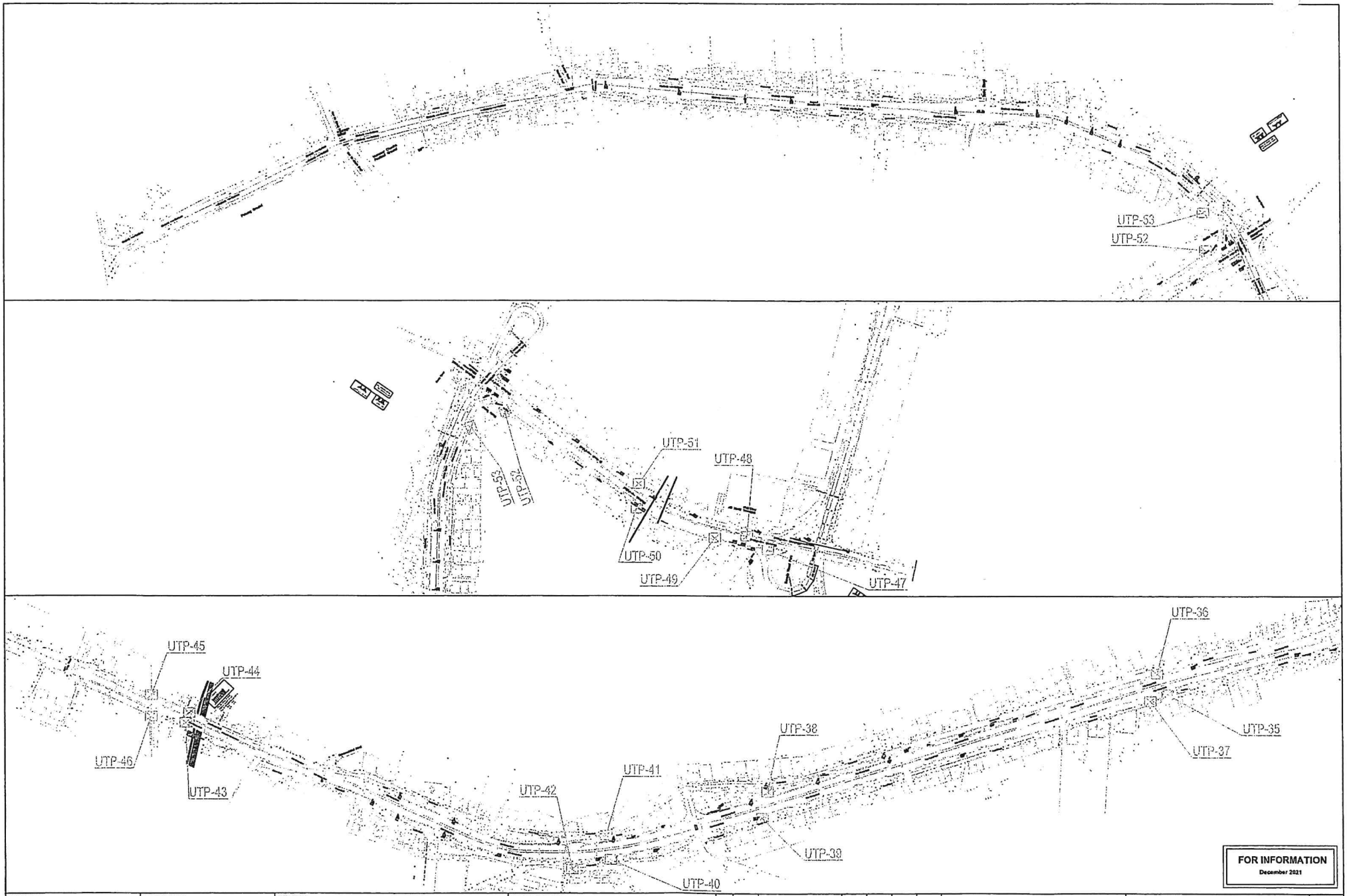
SCALE
1:4000

DATE
13/12/21

DRAWING NUMBER
P21161/4309-00-TD-G-003

REVISION
REV 0

242



FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN	NOTES & LEGEND							PROJECT TITLE	DRAWING TITLE	SCALE
SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	der NES PAK									KARACHI MOBILITY PROJECT - YELLOW BRT LINE	DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	1:4000
FUNDING AGENCY				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.	DATE 13/12/21	DRAWING NUMBER P21101/4309-00-TD-G-004	REVISION REV 0
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED			

24.

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GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-606

Karachi Dated: Tuesday, January 4th, 2022

To,

MANAGING DIRECTOR,
Pakistan Refinery Limited, Karachi.

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawing of trial pit locations are attached.

You are requested to review the location where trial pits and assign a coordinator to be present during excavation.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022

FOR

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
   Government of Sindh

4. **SECRETARY**
   Local Government Department,
   Government of Sindh

5. **SECRETARY**
   Department of Culture, Tourism, Antiquities and Archives,
   Government of Sindh

6. **ADMINISTRATOR**
   Karachi Metropolitan Corporation

7. **DIRECTOR GENERAL**
   Sindh Environmental Protection Agency

8. **DIRECTOR GENERAL**
   Civil Aviation Authority

9. **GENERAL MANAGER**
   National Highway Authority, Karachi

10. **DIRECTOR GENERAL**
    Sindh Building Control Authority

11. **DIRECTOR GENERAL**
    Karachi Development Authority,

12. **DIVISIONAL SUPERINTENDENT**
    Pakistan Railway, Karachi

13. **PRESIDENT**
    Karachi Chamber of Commerce & Industry

14. **DIG**
    Karachi Traffic Police

15. **AIG, KARACHI**
    Sindh Police

16. **PAF**
    Air Officer Commanding Southern Air Command

17. **DG RANGERS**
    Pakistan Rangers

18. **KARACHI CANTONMENT BOARD**

19. **FAISAL CANTONMENT BOARD**

20. **CLIFTON CANTONMENT BOARD**

21. **MANAGING DIRECTOR**
    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

23. **MANAGING DIRECTOR**
National Telecom Corporation

24. **VICE PRESIDENT**
Pakistan Telecommunication Company Limited

25. **MANAGING DIRECTOR**
Pak Arab Refinery Company Limited

26. **MANAGING DIRECTOR**
Southern Sui Gas Company Ltd

27. **MANAGING DIRECTOR**
Pakistan State Oil

28. **MANAGING DIRECTOR**
National Refinery Limited

29. **CHIEF EXECUTIVE OFFICER**
Mobilink

30. **CHIEF EXECUTIVE OFFICER**
Telenor

31. **CHIEF EXECUTIVE OFFICER**
U-Fone

32. **CHIEF EXECUTIVE OFFICER**
Zong

33. **BUSINESS UNIT HEAD**
Storm Fiber

SUBJECT: **COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.**

It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

The proposed corridor alignment:	from **Dawood Chowrangi (Korangi)** till **Numaish** via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.
Alignment Length	**22 Kms** (dedicated 21Kms and mixed traffic 1km)
Mixed Traffic	1 Kms (along Shahrah-e-Faisal from FTC flyover till Nursery flyover)
Grade Separated Structures	8 Underpasses and 2 Elevated U-Turns (at National Medical Center and Akhtar Colony/Khayaban-e-Ittehad)
Rolling Stock	**268 Buses** (*output of the operational plan based on the travel demand*)
Number of BRT Stations	28 (22 stations at-grade and 6 stations at underpass)

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

4. Since the Project pertains to the subject of urban transport and is going to be implemented in the midst of built areas of Karachi there is a dire need of coordination with the relevant department and authorities in adopting integrated stakeholder's management approach

5. In this regard, your good office is requested to extend cooperation during project implementation as such mega project in urban areas will need close coordination among all stakeholders. A meeting with Worthy Chief Secretary is also to be convened, schedule of which will be communicated to you in due course of time.

6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

PROPOSED UTILITY TEST PITS LOCATIONS

UTP NO.	EASTING	NORTHING	DEPTH (m)
UTP-01	316233.967	2749679.796	2.0
UTP-02	316215.429	2749621.562	2.0
UTP-03	316268.39	2749650.21	2.0
UTP-04	316206.262	2749640.236	2.0
UTP-05	316413.55	2749680.618	2.0
UTP-06	316066.785	2749611.698	2.0
UTP-07	314174.183	2749189.094	2.0
UTP-08	314195.885	2749230.642	2.0
UTP-09	314158.019	2749247.663	2.0
UTP-10	314122.635	2749261.961	2.0
UTP-11	314032.58	2749242.002	2.0
UTP-12	314078.86	2749182.295	2.0
UTP-13	314008.577	2749160.794	2.0
UTP-14	314074.295	2749206.825	2.0
UTP-15	312260.487	2748814.802	2.0
UTP-16	312248.831	2748869.83	2.0
UTP-17	312090.338	2748806.57	2.0
UTP-18	312320.271	2748827.502	2.0
UTP-19	312129.906	2748778.962	2.0
UTP-20	311432.573	2748723.716	2.0
UTP-21	311351.08	2748699.51	2.0
UTP-22	311462.592	2748646.533	2.0
UTP-23	311375.855	2748628.474	2.0
UTP-24	310186.257	2748457.14	2.0
UTP-25	310180.422	2748389.391	2.0
UTP-26	310037.898	2748418.67	2.0
UTP-27	310033.161	2748351.241	2.0
UTP-28	308046.481	2748005.621	2.0
UTP-29	307936.427	2747980.634	2.0
UTP-30	307912.603	2748005.455	2.0
UTP-31	307986.539	2747928.964	2.0
UTP-32	307944.454	2747939.998	2.0
UTP-33	307927.577	2747952.659	2.0
UTP-34	305689.891	2747732.041	2.0
UTP-35	304961.847	2748115.702	2.0
UTP-36	304979.63	2748167.806	2.0
UTP-37	304921.5	2748135.642	2.0
UTP-38	304138.188	2748659.89	2.0
UTP-39	304084.701	2748627.035	2.0
UTP-40	303766.029	2748824.28	2.0
UTP-41	303799.471	2748871.313	2.0
UTP-42	303685	2748877.254	2.0
UTP-43	303300.592	2749792.027	2.0
UTP-44	303323.417	2749801.328	2.0
UTP-45	303293.309	2749895.079	2.0
UTP-46	303255.639	2749861.203	2.0
UTP-47	303103.482	2750753.135	2.0
UTP-48	303164.244	2750754.818	2.0
UTP-49	303223.288	2750801.054	2.0
UTP-50	303416.485	2750850.682	2.0
UTP-51	303445.51	2750799.476	2.0
UTP-52	303809.27	2750843.282	2.0
UTP-53	303855.145	2750919.979	2.0

NOTES :-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE EXACT LOCATION OF THE TEST PIT (TP) SHALL BE DETERMINED ON SITE BY THE CONTRACTOR SUBJECT TO THE ENGINEER'S APPROVAL, CONTRACTOR HAS THE RIGHT TO SLIGHTLY SHIFT THE LOCATIONS OF TEST PIT (TP) SUBJECT TO THE ENGINEER'S APPROVAL.
3. TP SHOWN ON DRAWING SHALL BE EXECUTED WITHIN THE ASPHALT PAVEMENT OF THE EXISTING ROAD AND TO THE DEPTHS AS MENTIONED IN THE DRAWING.
4. TEST PIT (TP) COORDINATES ARE BASED ON GLOBAL COORDINATES UTM-WGS84.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES AND OTHER BURIED STRUCTURES AND SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO IT DURING PAVEMENT EVALUATION TESTING. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO REPAIR ANY DAMAGES TO THE EXISTING UTILITIES AND/OR BURIED STRUCTURES AND FOR THE FULL REINSTATEMENT OF THE SURFACE AFFECTED BY THE EXCAVATION WORKS.
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LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)

FUNDING AGENCY: THE WORLD BANK

CONSULTANT: NESPAK

KEY PLAN

NOTES & LEGEND

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
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PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

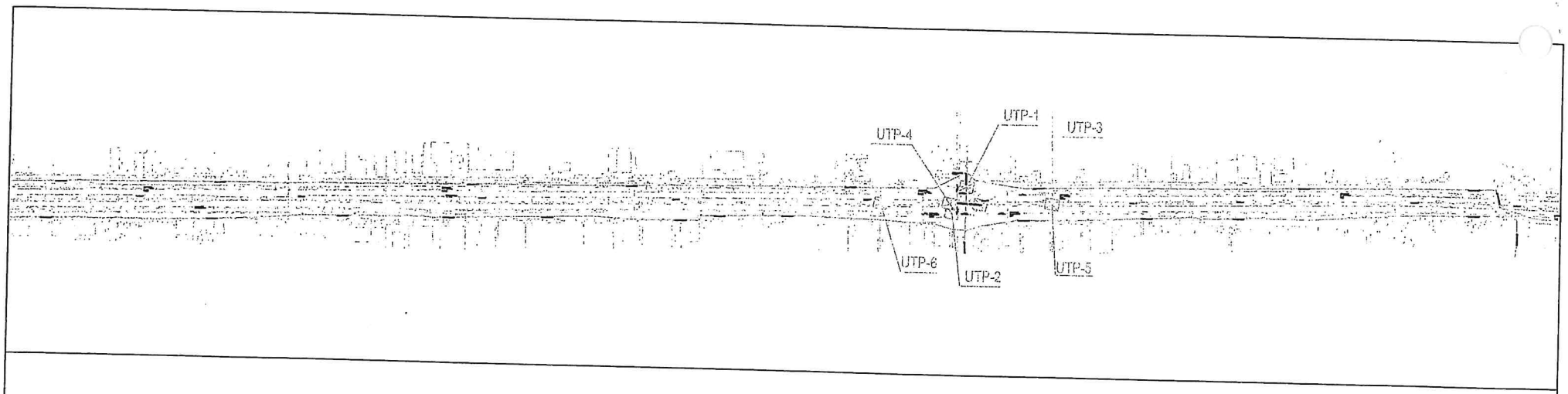
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

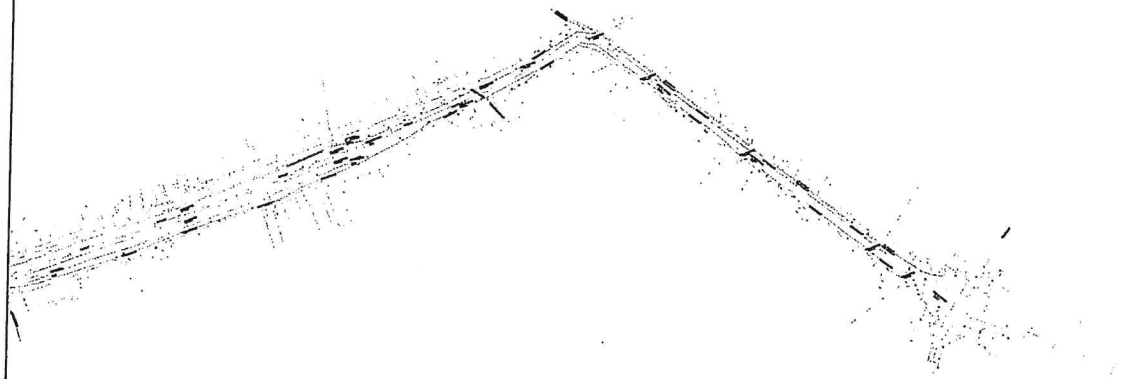
SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21161/4309-00-TD-G-001

REVISION: REV 0





FOR INFORMATION
December 2021

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FUNDING AGENCY	THE WORLD BANK
CONSULTANT	MES PAK
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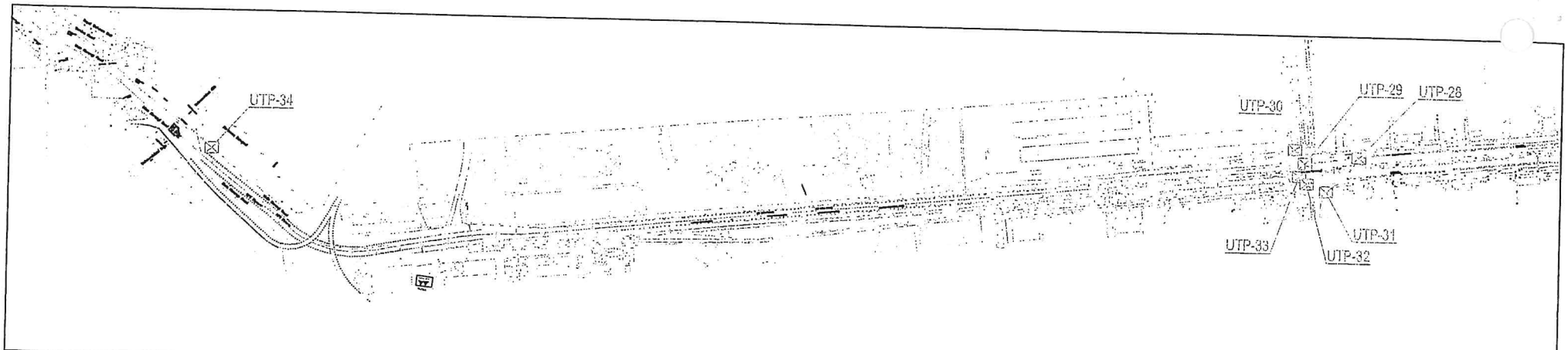

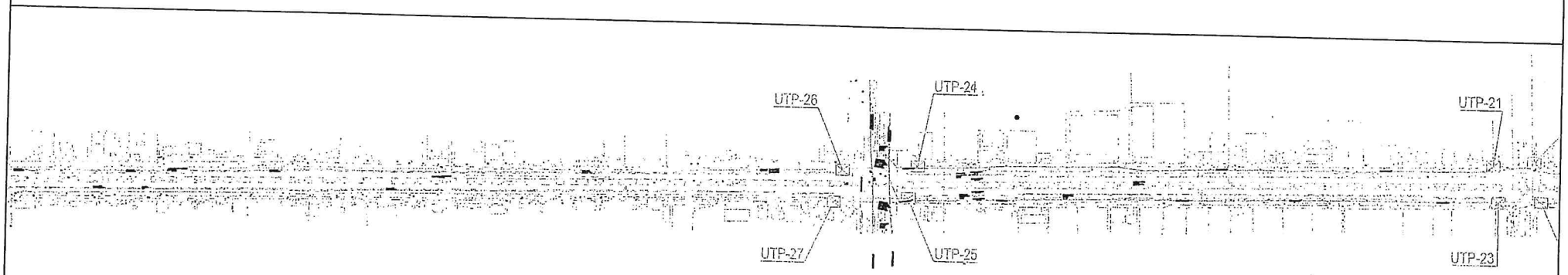

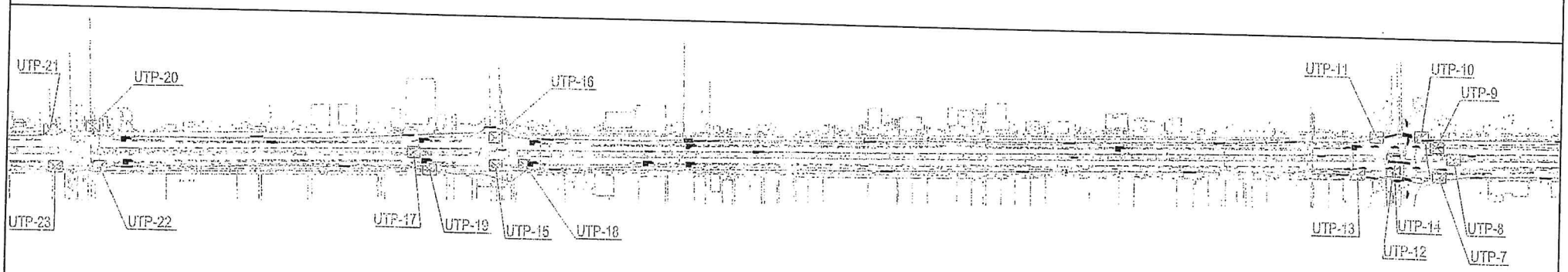

FOR INFORMATION
December 2021

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FUNDING AGENCY: THE WORLD BANK

CONSULTANT: dbr

KEY PLAN

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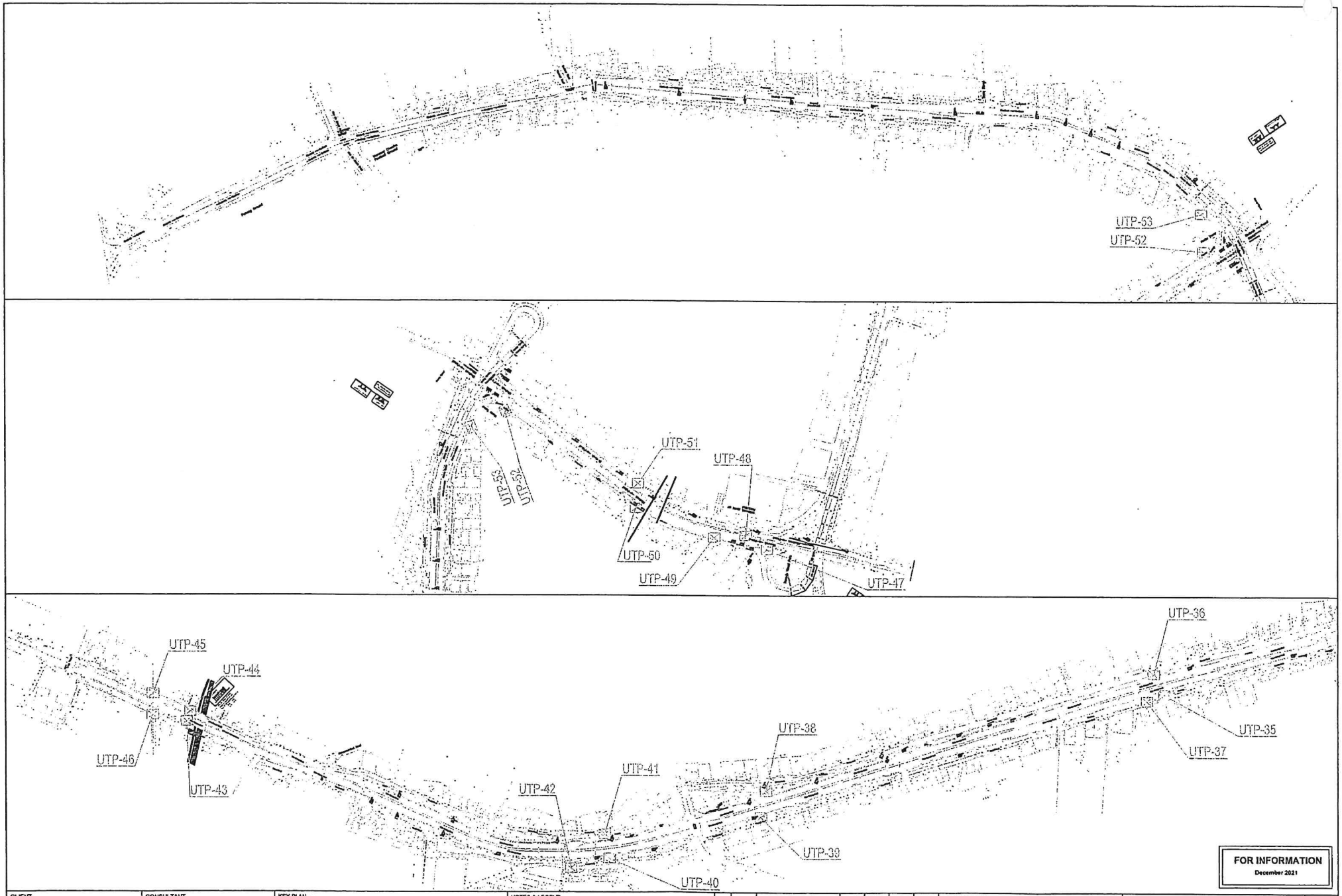

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December 2021

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FUNDING AGENCY				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.	DATE 13/12/21	DRAWING NUMBER P21161/4309-00-TD-G-004	REVISION REV 0
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GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-605

Karachi Dated: Tuesday, January 4th, 2022

To,

SENIOR MANAGER (ADMINISTRATION),
National Refinery Limited, Karachi.

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

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You are requested to review the location where trial pits and assign a coordinator to be present during excavation.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022.

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Municipal Commissioner, Karachi Metropolitan Corporation, Karachi
4. Rehan Zamin, NESPAK, Karachi.
5. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
6. Master File.

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No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
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4. **SECRETARY**
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20. **CLIFTON CANTONMENT BOARD**

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    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

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Telenor

31. **CHIEF EXECUTIVE OFFICER**
U-Fone

32. **CHIEF EXECUTIVE OFFICER**
Zong

33. **BUSINESS UNIT HEAD**
Storm Fiber

SUBJECT: **COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.**

It is submitted that the Transport & Mass Transit Department, Government of Sindh [**the TMTD**] through Sindh Mass Transit Authority [**the SMTA**] is implementing the Karachi Mobility Project - Yellow BRT [**the Project**] with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

The proposed corridor alignment:	from **Dawood Chowrangi (Korangi)** till **Numaish** via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.
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Mixed Traffic	1 Kms (along Shahrah-e-Faisal from FTC flyover till Nursery flyover)
Grade Separated Structures	8 Underpasses and 2 Elevated U-Turns (at National Medical Center and Akhtar Colony/Khayaban-e-Ittehad)
Rolling Stock	**268 Buses** (*output of the operational plan based on the travel demand*)
Number of BRT Stations	28 (22 stations at-grade and 6 stations at underpass)

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Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

4. Since the Project pertains to the subject of urban transport and is going to be implemented in the midst of built areas of Karachi there is a dire need of coordination with the relevant department and authorities in adopting integrated stakeholder's management approach

5. In this regard, your good office is requested to extend cooperation during project implementation as such mega project in urban areas will need close coordination among all stakeholders. A meeting with Worthy Chief Secretary is also to be convened, schedule of which will be communicated to you in due course of time.

6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

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2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

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PROPOSED UTILITY TEST PITS LOCATIONS

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UTP-20	311432.573	2748723.716	2.0
UTP-21	311351.08	2748699.51	2.0
UTP-22	311462.592	2748646.533	2.0
UTP-23	311375.855	2748628.474	2.0
UTP-24	310186.257	2748457.14	2.0
UTP-25	310180.422	2748389.391	2.0
UTP-26	310037.896	2748418.67	2.0
UTP-27	310033.161	2748351.241	2.0
UTP-28	308046.481	2748005.621	2.0
UTP-29	307936.427	2747980.634	2.0
UTP-30	307912.603	2748005.455	2.0
UTP-31	307986.539	2747928.964	2.0
UTP-32	307944.454	2747939.998	2.0
UTP-33	307927.577	2747952.659	2.0
UTP-34	305689.891	2747732.041	2.0
UTP-35	304961.847	2748115.702	2.0
UTP-36	304979.63	2748167.806	2.0
UTP-37	304921.5	2748135.642	2.0
UTP-38	304138.188	2748659.89	2.0
UTP-39	304084.701	2748627.035	2.0
UTP-40	303766.029	2748824.28	2.0
UTP-41	303799.471	2748871.313	2.0
UTP-42	303685	2748877.254	2.0
UTP-43	303300.592	2749792.027	2.0
UTP-44	303323.417	2749801.328	2.0
UTP-45	303293.309	2749895.079	2.0
UTP-46	303255.639	2749861.203	2.0
UTP-47	303103.482	2750753.135	2.0
UTP-48	303164.244	2750754.818	2.0
UTP-49	303223.288	2750801.054	2.0
UTP-50	303416.485	2750850.682	2.0
UTP-51	303445.51	2750799.476	2.0
UTP-52	303809.27	2750843.282	2.0
UTP-53	303855.145	2750919.979	2.0

NOTES :-

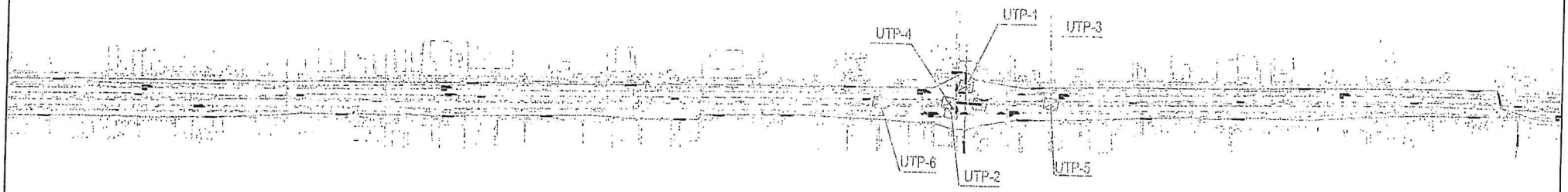
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE EXACT LOCATION OF THE TEST PIT (TP) SHALL BE DETERMINED ON SITE BY THE CONTRACTOR SUBJECT TO THE ENGINEER'S APPROVAL, CONTRACTOR HAS THE RIGHT TO SLIGHTLY SHIFT THE LOCATIONS OF TEST PIT (TP) SUBJECT TO THE ENGINEER'S APPROVAL.
3. TP SHOWN ON DRAWING SHALL BE EXECUTED WITHIN THE ASPHALT PAVEMENT OF THE EXISTING ROAD AND TO THE DEPTHS AS MENTIONED IN THE DRAWING.
4. TEST PIT (TP) COORDINATES ARE BASED ON GLOBAL COORDINATES UTM-WGS84.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES AND OTHER BURIED STRUCTURES AND SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO IT DURING PAVEMENT EVALUATION TESTING. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO REPAIR ANY DAMAGES TO THE EXISTING UTILITIES AND/OR BURIED STRUCTURES AND FOR THE FULL REINSTATEMENT OF THE SURFACE AFFECTED BY THE EXCAVATION WORKS.
6. THE PROPOSED TEST PITS LOCATION (TP-37, TP-38, TP-39, TP-40, TP-42, TP-44, TP-46, TP-48, TP-49) ARE INDICATIVE ONLY AND MIGHT BE REVISED BASED ON THE FINIAL ROUTE LAYOUT. THE CONTRACTOR SHALL NOT PROCEED WITH THOSE TRIAL PITS UNTIL RECEIVING AN APPROVAL FROM THE ENGINEER

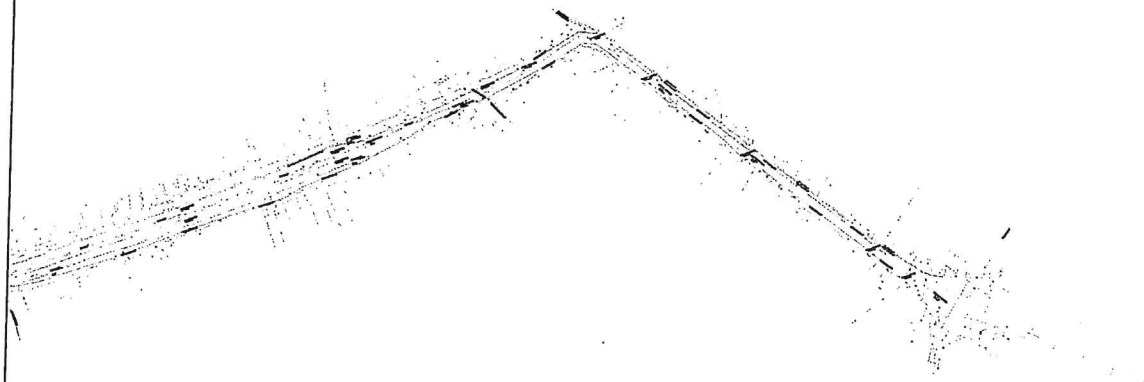
LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY	CONSULTANT	KEY PLAN	NOTES & LEGEND						PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE	DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	SCALE: 1:4000
FUNDING AGENCY: THE WORLD BANK										DATE: 13/12/21	DRAWING NUMBER: P21161/4309-00-TD-G-001	REVISION: REV 0
				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.			
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED			





FOR INFORMATION
December 2021

CLIENT	SINDH MASS TRANSIT AUTHORITY
FUNDING AGENCY	THE WORLD BANK
CONSULTANT	dar / MEC PAK
KEY PLAN	
NOTES & LEGEND	

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

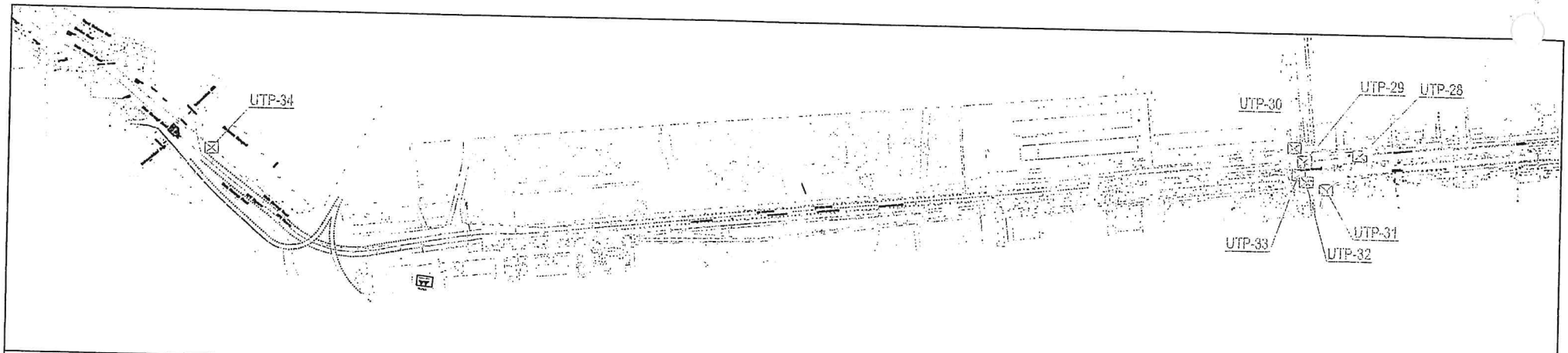
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

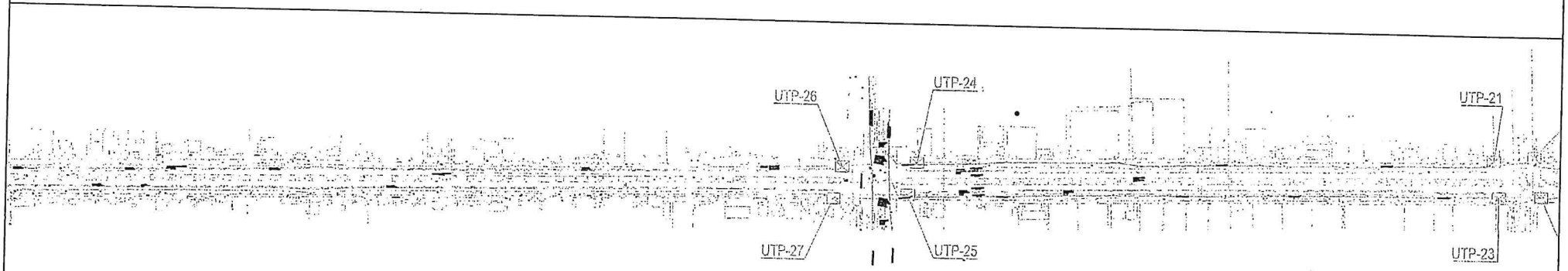
SCALE: 1:4000

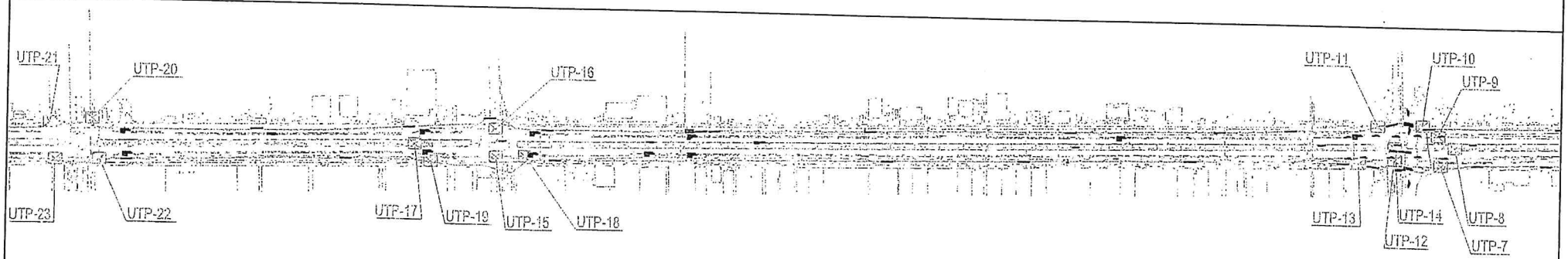
DATE: 13/12/21

DRAWING NUMBER: P21101/4309-00-TD-G-002

REVISION: REV 0







FOR INFORMATION
December 2021

CLIENT	SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)
FUNDING AGENCY	THE WORLD BANK
CONSULTANT	dar, NESPAK
KEY PLAN	
NOTES & LEGEND	

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
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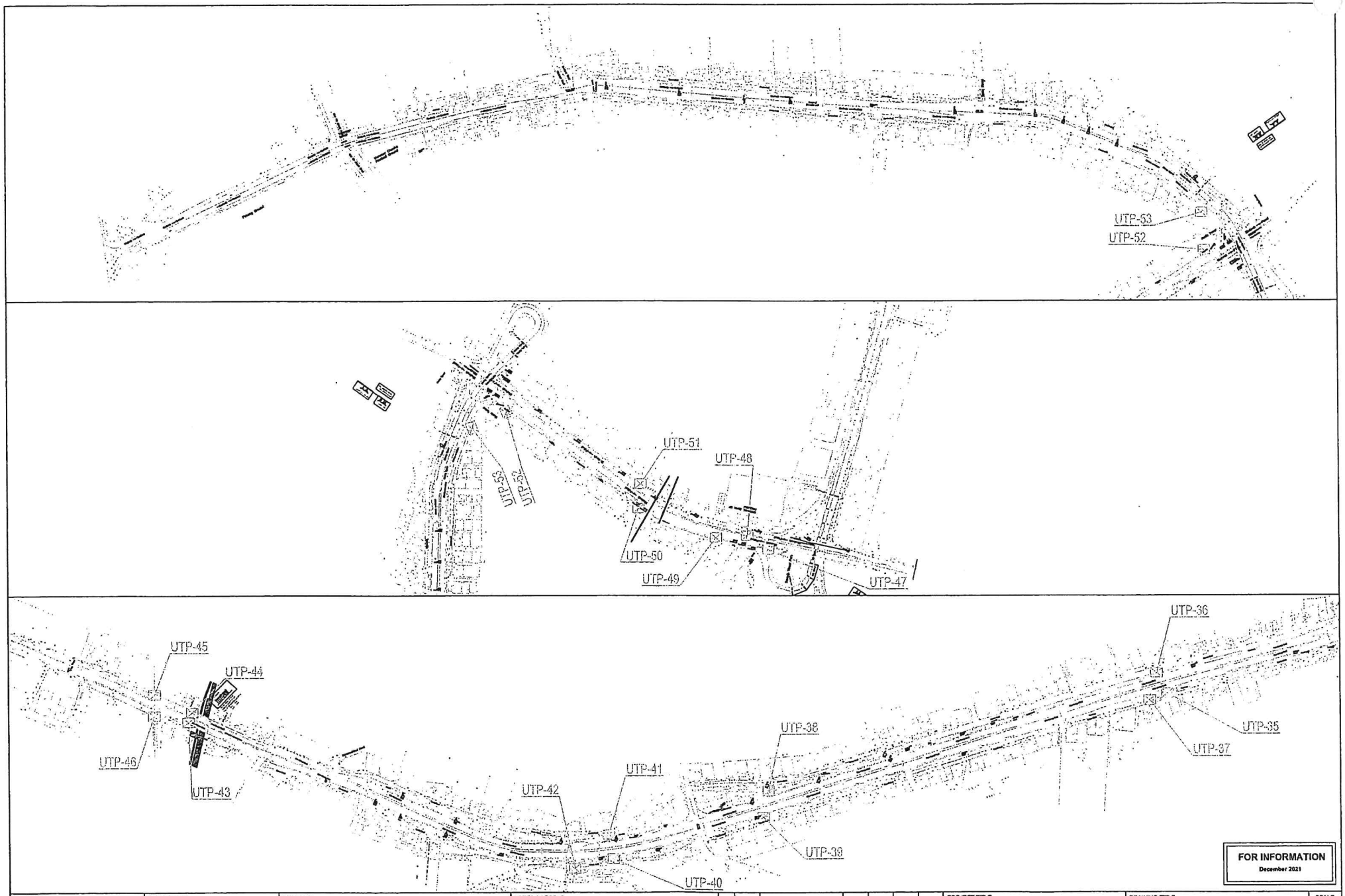
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21161/4309-00-TD-G-003

REVISION: REV 0



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SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	dar NES PAK									KARACHI MOBILITY PROJECT - YELLOW BRT LINE	DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	1:4000
FUNDING AGENCY THE WORLD BANK				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.	DATE 13/12/21	DRAWING NUMBER P21161/4309-00-TD-G-004	REVISION REV 0
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED			

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GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-604

Karachi Dated: Tuesday, January 4th, 2022

To,

CHIEF ENGINEER,
P&D South Distribution, Karachi

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

With reference to the letter No. PD/SMTA/YLC/DDCS/2021/L-425 in which the project brief was given and salient features of the project were provided.

This is with reference to the marking of utility lines coordination for the subject project. The project's detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawing of trial pit locations are attached.

You are requested to review the location where trial pits and assign a coordinator to be present during excavation..

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022

for

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-425

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No. MD/ SMTA/2021/L-425

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SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

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MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

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UTP-20	311432.573	2748723.716	2.0
UTP-21	311351.08	2748699.51	2.0
UTP-22	311462.592	2748646.533	2.0
UTP-23	311375.855	2748628.474	2.0
UTP-24	310186.257	2748457.14	2.0
UTP-25	310180.422	2748389.391	2.0
UTP-26	310037.898	2748418.67	2.0
UTP-27	310033.161	2748351.241	2.0
UTP-28	308046.481	2748005.621	2.0
UTP-29	307936.427	2747980.634	2.0
UTP-30	307912.603	2748005.455	2.0
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UTP-34	305689.891	2747732.041	2.0
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UTP-51	303445.51	2750799.476	2.0
UTP-52	303809.27	2750843.282	2.0
UTP-53	303855.145	2750919.979	2.0

NOTES :-

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. THE EXACT LOCATION OF THE TEST PIT (TP) SHALL BE DETERMINED ON SITE BY THE CONTRACTOR SUBJECT TO THE ENGINEER'S APPROVAL, CONTRACTOR HAS THE RIGHT TO SLIGHTLY SHIFT THE LOCATIONS OF TEST PIT (TP) SUBJECT TO THE ENGINEER'S APPROVAL.
3. TP SHOWN ON DRAWING SHALL BE EXECUTED WITHIN THE ASPHALT PAVEMENT OF THE EXISTING ROAD AND TO THE DEPTHS AS MENTIONED IN THE DRAWING.
4. TEST PIT (TP) COORDINATES ARE BASED ON GLOBAL COORDINATES UTM-WGS84.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES AND OTHER BURIED STRUCTURES AND SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO IT DURING PAVEMENT EVALUATION TESTING. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO REPAIR ANY DAMAGES TO THE EXISTING UTILITIES AND/OR BURIED STRUCTURES AND FOR THE FULL REINSTATEMENT OF THE SURFACE AFFECTED BY THE EXCAVATION WORKS.
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LEGEND:

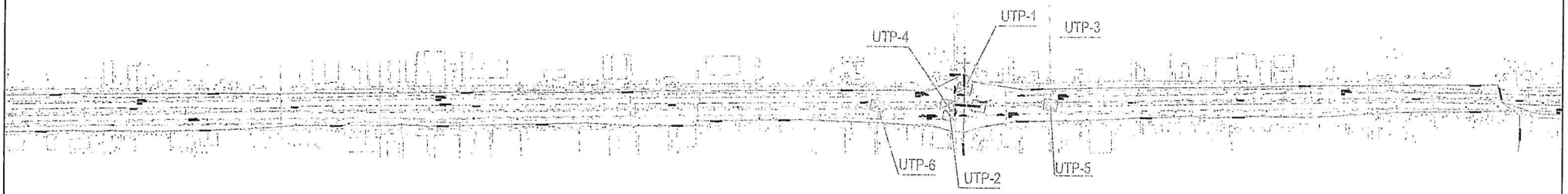
PROPOSED UTILITY TEST PIT (UTP)

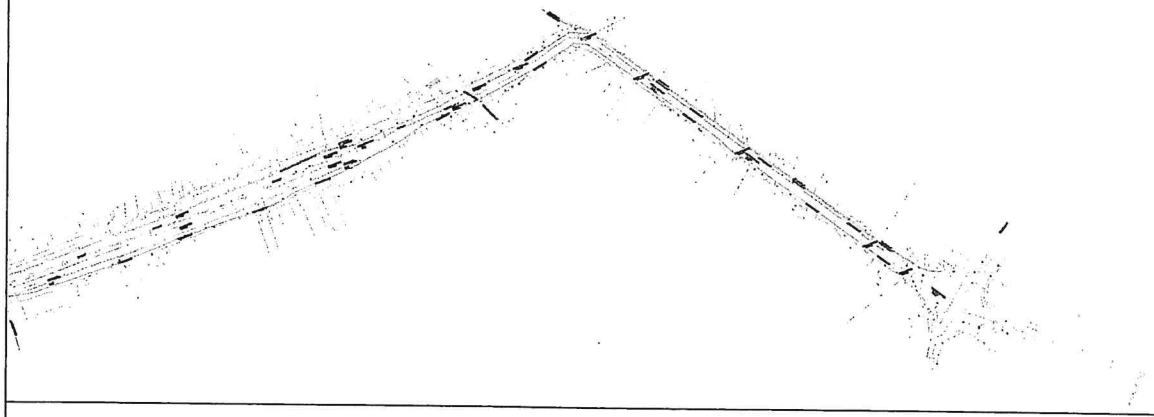
FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY	CONSULTANT	KEY PLAN	NOTES & LEGEND						PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE
FUNDING AGENCY: THE WORLD BANK				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.	DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED	DRAWING NUMBER: P21161/4309-00-TD-G-001

SCALE: 1:4000
DATE: 13/12/21
REVISION: REV 0

199





FOR INFORMATION
December 2021

CLIENT	CONSULTANT	KEY PLAN	NOTES & LEGEND
SINDH MASS TRANSIT AUTHORITY TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH	dar NES PAK		
FUNDING AGENCY THE WORLD BANK			

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

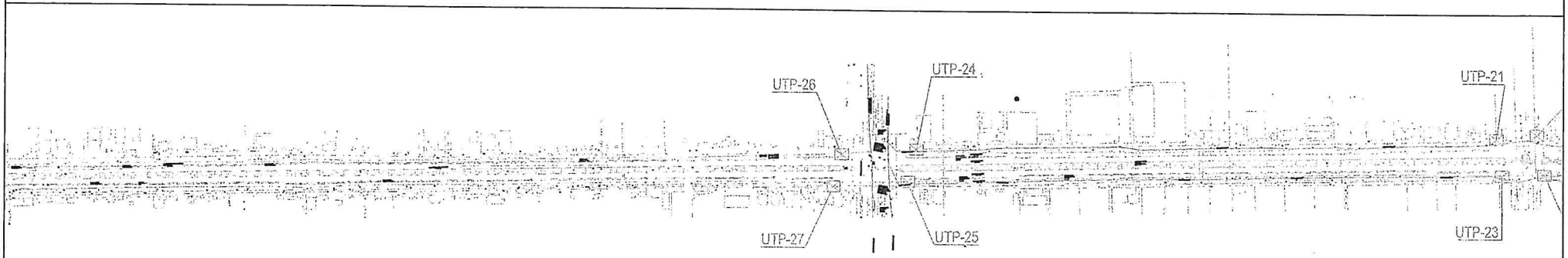
SCALE: 1:4000

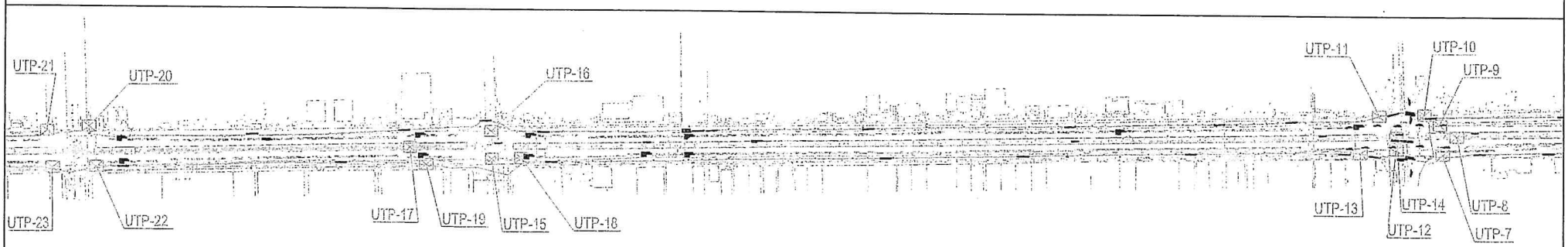
DATE: 13/12/21

DRAWING NUMBER: P21161/4309-00-TD-G-002

REVISION: REV 0

197





FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)	CONSULTANT: dar, NESPAK	KEY PLAN	NOTES & LEGEND
FUNDING AGENCY: THE WORLD BANK			

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

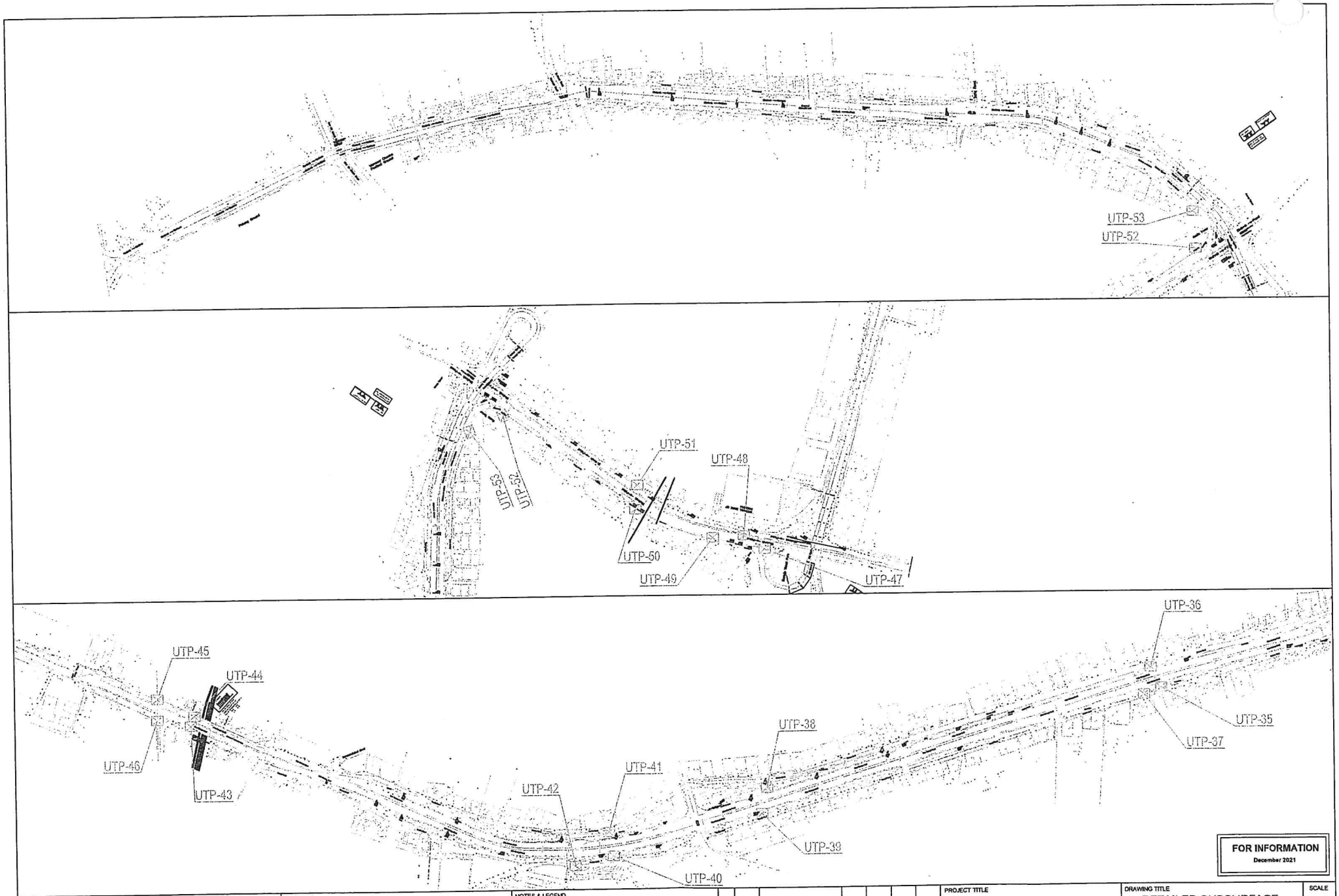
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21101/4309-00-TD-G-003

REVISION: REV 0



FOR INFORMATION
December 2021

CLIENT	SINDH MASS TRANSIT AUTHORITY
CONSULTANT	dar / NESPAK
FUNDING AGENCY	THE WORLD BANK
KEY PLAN	
NOTES & LEGEND	

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21161/4309-00-TD-G-004

REVISION: REV 0

191

GOVERNMENT OF SINDH
Karachi Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

DIP/SMTA/YLC/DDCS/2021/L-603

Karachi Dated: Tuesday, January 4th, 2022

To,

MUNICIPAL COMMISSIONER
Karachi Metropolitan Corporation, Karachi.

SUBJECT: PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT).

Please refer to our office letter No. **PD/SMTA/YLC/DDCS/2021/L-425** (Copy Attached) in which the project brief was given and salient features of the project were provided.

Please be informed that, Dar-ul-Handasah J/V NESPAK will be identifying utility lines which will be conducted through trial pits. The same has been mentioned in the letter **4309/50P/RZ/01/2445** (Copy Attached) by the project consultant.

Please be informed that the Yellow BRT Corridor is one of the priority project of the Transport Department, Government of Sindh, funded by the World Bank. Timely coordination of all stakeholders is essential to make this project successful, and as KMC being the important stakeholder; timely response from your good office is highly anticipated, which is in the best interest of the project.

12/01/2022

FOR

DIRECTOR INFRASTRUCTION/ PLANNING
Karachi Mobility Project (Yellow BRT),
SMTA

Encl: 1. Copy of letter No. PD/SMTA/YLC/DDCS/2021/L-42
2. Copy of Letter No. 4309/50P/RZ/01/2445

A copy is forwarded for information to:

1. Managing Director, Sindh Mass Transit Authority, Government of Sindh
2. Project Director, Sindh Mass Transit Authority, Government of Sindh.
3. Rehan Zamin, NESPAK, Karachi.
4. PS to Secretary, Transport & Mass Transit Department, Government of Sindh.
5. Master File.

No. MD/ SMTA/2021/L-425

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 18, 2021

To,

1. **CHAIRMAN P&D BOARD**
   Planning and Development Department,
   Government of Sindh

2. **SECRETARY (WORKS & SERVICES)**
   Works and Services Department,
   Government of Sindh

3. **SECRETARY**
   Environment & Alternative Energy Department,
   Government of Sindh

4. **SECRETARY**
   Local Government Department,
   Government of Sindh

5. **SECRETARY**
   Department of Culture, Tourism, Antiquities and Archives,
   Government of Sindh

6. **ADMINISTRATOR**
   Karachi Metropolitan Corporation

7. **DIRECTOR GENERAL**
   Sindh Environmental Protection Agency

8. **DIRECTOR GENERAL**
   Civil Aviation Authority

9. **GENERAL MANAGER**
   National Highway Authority, Karachi

10. **DIRECTOR GENERAL**
    Sindh Building Control Authority

11. **DIRECTOR GENERAL**
    Karachi Development Authority,

12. **DIVISIONAL SUPERINTENDENT**
    Pakistan Railway, Karachi

13. **PRESIDENT**
    Karachi Chamber of Commerce & Industry

14. **DIG**
    Karachi Traffic Police

15. **AIG, KARACHI**
    Sindh Police

16. **PAF**
    Air Officer Commanding Southern Air Command

17. **DG RANGERS**
    Pakistan Rangers

18. **KARACHI CANTONMENT BOARD**

19. **FAISAL CANTONMENT BOARD**

20. **CLIFTON CANTONMENT BOARD**

21. **MANAGING DIRECTOR**
    Karachi Water & Sewerage Board

22. **CEO**
    K-Electric Limited

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

23. MANAGING DIRECTOR
National Telecom Corporation

24. VICE PRESIDENT
Pakistan Telecommunication Company Limited

25. MANAGING DIRECTOR
Pak Arab Refinery Company Limited

26. MANAGING DIRECTOR
Southern Sui Gas Company Ltd

27. MANAGING DIRECTOR
Pakistan State Oil

28. MANAGING DIRECTOR
National Refinery Limited

29. CHIEF EXECUTIVE OFFICER
Mobilink

30. CHIEF EXECUTIVE OFFICER
Telenor

31. CHIEF EXECUTIVE OFFICER
U-Fone

32. CHIEF EXECUTIVE OFFICER
Zong

33. BUSINESS UNIT HEAD
Storm Fiber

SUBJECT: COORDINATION WITH STAKEHOLDERS FOR KARACHI MOBILITY PROJECT YELLOW BRT.

It is submitted that the Transport & Mass Transit Department, Government of Sindh **[the TMTD]** through Sindh Mass Transit Authority **[the SMTA]** is implementing the Karachi Mobility Project - Yellow BRT **[the Project]** with the financial assistance from the World Bank. With the timely support of the stakeholders SMTA was able to finalize the PC-1 which was approved by ECNEC on 02-10-2019. The Yellow BRT Corridor is one of the six BRT corridors identified by JICA's Karachi Transportation Improvement Project (KTIP) in 2009-2012.

2. The proposed project will follow the Integrated Corridor Management Approach to fulfill the need of all road users along the corridor. Severely deteriorated road sections along the corridors and catchment areas will be improved, traffic management will be upgraded, and parking issues will be addressed.

Salient features of the Project according to the PC-1 are as follows, for ready reference,

The proposed corridor alignment:	from **Dawood Chowrangi (Korangi)** till **Numaish** via Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.
Alignment Length	**22 Kms** (dedicated 21Kms and mixed traffic 1km)
Mixed Traffic	1 Kms (along Shahrah-e-Faisal from FTC flyover till Nursery flyover)
Grade Separated Structures	8 Underpasses and 2 Elevated U-Turns (at National Medical Center and Akhtar Colony/Khayaban-e-Ittehad)
Rolling Stock	**268 Buses** (*output of the operational plan based on the travel demand*)
Number of BRT Stations	28 (22 stations at-grade and 6 stations at underpass)

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Bus Depots	1) Landhi Depot (East) with the area of 3.3 acre. (for 80 buses) 2) Christian Colony (South) with the area of 9 acre. (for 188 buses)

3. The SMTA has already entered into an agreement with M/s Dar-al-Handasa JV M/s NESPAK for the preparation of *detailed designs* and providing *procurement support* and *construction supervision* services. The implementation of the Project has been planned in packages with the widening and rehabilitation of 1 km Jam Sadiq bridge on first priority. It is planned and efforts are being made that the construction of this package may be started in four to five months' time.

4. Since the Project pertains to the subject of urban transport and is going to be implemented in the midst of built areas of Karachi there is a dire need of coordination with the relevant department and authorities in adopting integrated stakeholder's management approach

5. In this regard, your good office is requested to extend cooperation during project implementation as such mega project in urban areas will need close coordination among all stakeholders. A meeting with Worthy Chief Secretary is also to be convened, schedule of which will be communicated to you in due course of time.

6. It is also requested to nominate a Focal Person(s) from your office and provide details

7. Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com)

8. The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED
13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.
Established Since 1973

4309/50P/RZ/01/2445

December 29, 2021

Syed Muhammad Afzal Zaidi
Metropolitan Commissioner
Karachi metropolitan corporation
KMC Head Office 1st Floor, M.A. Jinnah Road Karachi.
Office Phone No: - (021)99216095
Fax No: - (021)99216038

PREPARATION OF DETAILED DESIGN, PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION FOR KARACHI MOBILITY PROJECT (YELLOW BUS RAPID TRANSIT)
- Utility Identification Trial Pits

Ref: SMTA Letter No. MD/SMTA/2021/2-425 Dated October 18, 2021 (copy attached).

This is with reference to the marking of utility lines coordination for the subject project. The project detailed design is underway and the identification of utility lines shall be conducted through utility trial pits.

DAR & NESPAK have identified the locations where trial pits for utility identification is necessary before any work is started. Drawings of trial pit locations are attached.

You are requested to review the location of trial pits and assign a coordinator to be presented during excavation. It is therefore, requested to respond the same by 5th of January 2022.

Thanking you and assuring you of our best professional services at all times.

Sincerely,
For, National Engineering Services Pakistan (Pvt.) Limited

for REHAN ZAMIN
Chief Engineer

Encl: - As Above

Copy to:
- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, Karachi
- GM/Head, NESPAK, Karachi

PROPOSED UTILITY TEST PITS LOCATIONS

UTP NO.	EASTING	NORTHING	DEPTH (m)
UTP-01	316233.967	2749679.796	2.0
UTP-02	316215.429	2749621.562	2.0
UTP-03	316268.39	2749650.21	2.0
UTP-04	316206.262	2749640.236	2.0
UTP-05	316413.55	2749680.618	2.0
UTP-06	316066.785	2749611.698	2.0
UTP-07	314174.183	2749189.094	2.0
UTP-08	314195.885	2749230.642	2.0
UTP-09	314158.019	2749247.663	2.0
UTP-10	314122.635	2749261.961	2.0
UTP-11	314032.58	2749242.002	2.0
UTP-12	314078.86	2749182.295	2.0
UTP-13	314008.577	2749160.794	2.0
UTP-14	314074.295	2749206.825	2.0
UTP-15	312260.487	2748814.802	2.0
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LEGEND:

PROPOSED UTILITY TEST PIT (UTP)

FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY	CONSULTANT	KEY PLAN	NOTES & LEGEND					PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE
FUNDING AGENCY								
				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

DRAWING TITLE	SCALE
DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	1:4000
DATE: 13/12/21	DRAWING NUMBER: P21161/4309-00-TD-G-001
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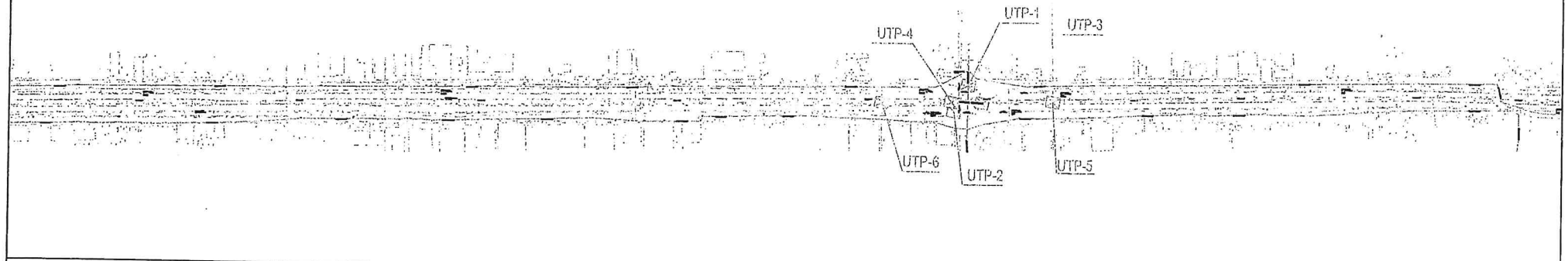
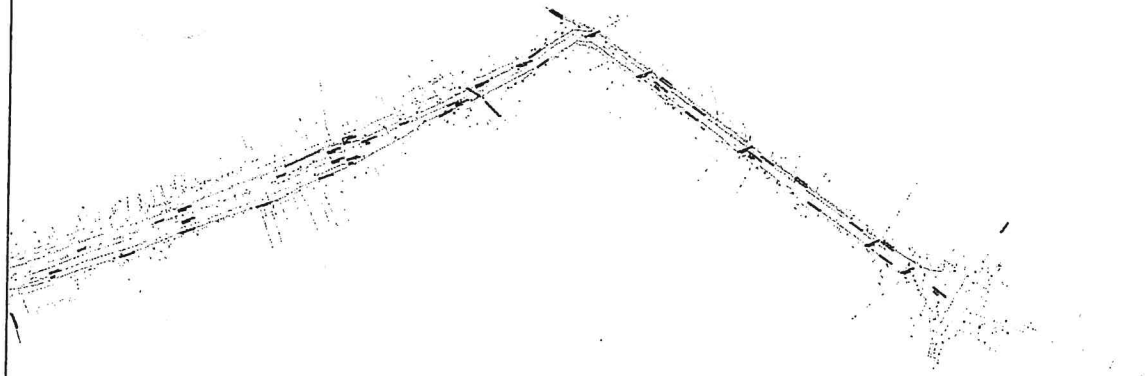
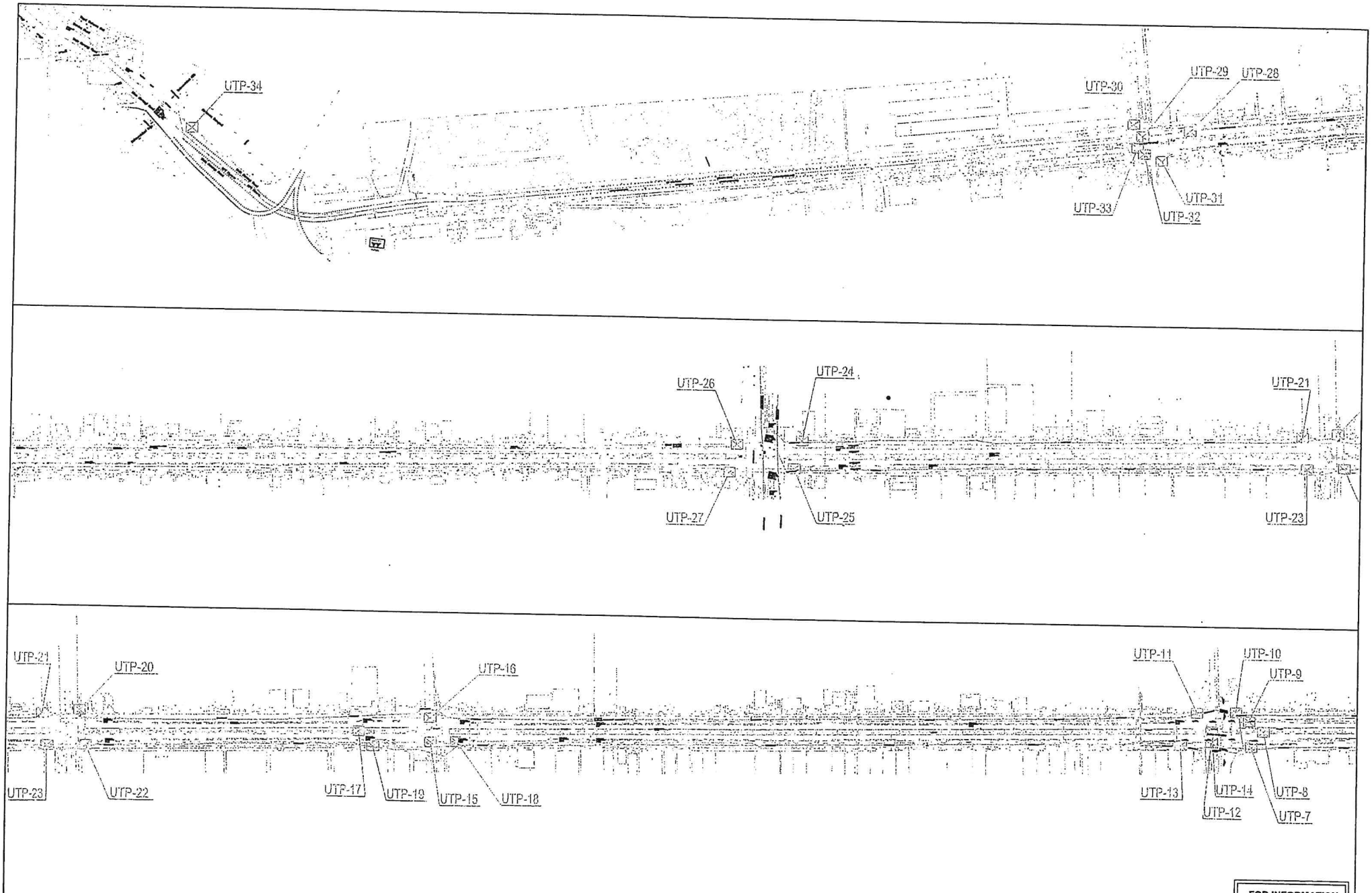




FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (DIRECTORATE OF MASS TRANSIT, GOVERNMENT OF SINDH)	CONSULTANT: MES PAK	KEY PLAN	NOTES & LEGEND						PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE
FUNDING AGENCY: THE WORLD BANK				0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	L.M.	H.H.
				REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED

DRAWING TITLE	SCALE
DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)	1:4000
DATE: 13/12/21	DRAWING NUMBER: P21161/4309-00-TD-G-002
	REVISION: REV 0



FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)

FUNDING AGENCY

CONSULTANT: dar / NESPAK

KEY PLAN

NOTES & LEGEND

REV.	DATE	DESCRIPTION	DRAWN	DESIGNED	CHECKED	APPROVED
0	13/12/21	ISSUED FOR APPROVAL	M.Z.	M.M.	I.M.	N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

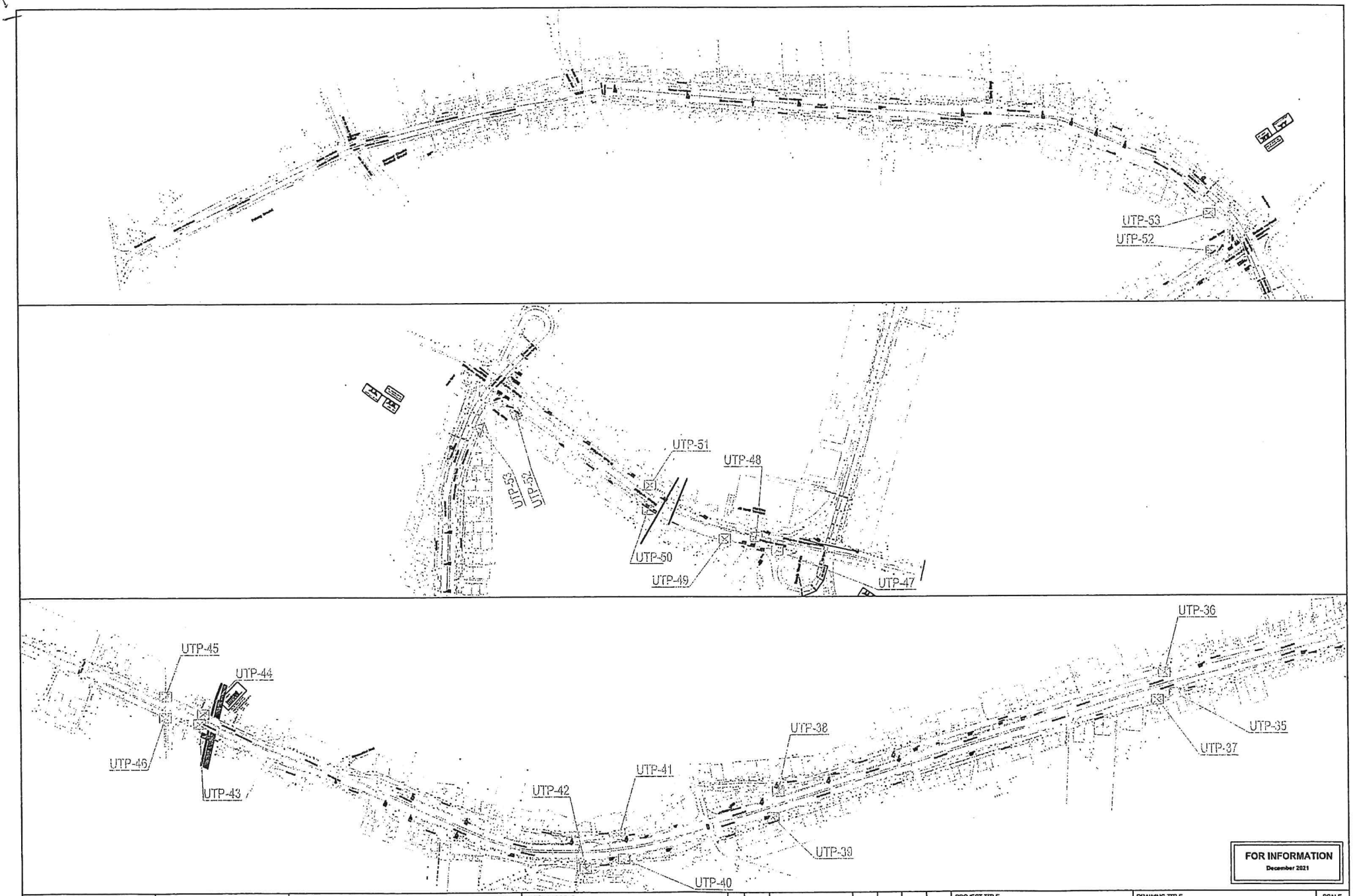
DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21101/4309-00-TD-G-003

REVISION: REV 0



FOR INFORMATION
December 2021

CLIENT: SINDH MASS TRANSIT AUTHORITY (TRANSPORT & MASS TRANSIT DEPARTMENT, GOVERNMENT OF SINDH)	CONSULTANT: dar, NESPAK	KEY PLAN	NOTES & LEGEND				
FUNDING AGENCY				REV.	DATE	DESCRIPTION	DRAWN / DESIGNED / CHECKED / APPROVED
				0	13/12/21	ISSUED FOR APPROVAL	M.Z. / M.M. / I.M. / N.H.

PROJECT TITLE: KARACHI MOBILITY PROJECT - YELLOW BRT LINE

DRAWING TITLE: DETAILED SUBSURFACE INVESTIGATION (TEST PITS LOCATIONS)

SCALE: 1:4000

DATE: 13/12/21

DRAWING NUMBER: P21161/4309-00-TD-G-004

REVISION: REV 0

Dar Al-Handasah Consultants
(Shair and Partners)
in Joint Venture
National Engineering Services
Pakistan (Pvt.) Limited

P21161/A/L0011-21
4th November 2021

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Proposed Replacement for the Senior BRT Design Expert

Dear Sir,

We refer to the JV's letter reference P21161/A/L0001-21 dated 23/09/2021 pertaining to the availability of Key Staff as included in the JV's proposal.

We wish to highlight that, due to the current Covid-19 pandemic condition and the associated restrictions that regularly change by different countries, along with WHO recommendations for the safety of the people, especially the older ones, Mr. Claudio Macedo - Senior BRT Design Expert – is regrettably unable to travel to Karachi to be part of the resident team, given his current health condition that could be put at risk due to the continuing pandemic situation.

Based on the above, we are hereby proposing Mr. Antonio Gobbo as a replacement for the position of Senior BRT Design Expert. Mr. Gobbo has an equally impressive experience in the BRT field (please refer to the attached CV), and he was already assisting Mr. Macedo starting from 15th September, 2021; Mr. Gobbo was also part of the JV team who attended the official Kick-off meeting of the project on 12/10/2021, and since then has been resident in Karachi and fulfilling his duties in advising the SMTA team and assisting the JV's design experts.

We hope the above proposal will be found acceptable to you, and we shall remain available for any clarification you may find needed pertaining to the above subject.

Yours faithfully
For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box: 5491, Kingdom of Bahrain
T +973 17 533 582 | F +973 17 533 583 | E manama@dar.com

gpo

CURRICULUM VITAE (CV)

1. **Name of Staff:** ANTONIO J. R. M. GOBBO

2. **Proposed Position:** Senior Bus Rapid Transit System Design Expert, Team Leader Assistant

3. **Employer:** GPO Sistran Engenharia Ltda.

4. **Date of Birth:** 10/12/1966 **Nationality:** Brazilian

5. **Education**

Petrochemical Technologist	Escola Técnica Estadual Conselheiro Antonio Prado - Campinas, SP, Brasil - Brazilian Council Reg.#019118	1981 – 1984
B.S. degree in Engineering Environmental Technology Management	Goias University Center – UniAnhanguera – Goiania, GO, Brazil	2004 – 2007
Graduate Courses (PGDip) in **Production/Logistic/Transport Engineering** Research Field: Engineering Research theme: A proposal of formulation of indicators related to unscheduled logistics stoppages	Goias State University – UEG / ITCO – Anapolis, GO, Brazil	2007 – 2008
Master in Business Administration Research field: Project Management Research theme: **Infrastructure Project Finance Management: Impact of the asymmetric allocation of risks in the socio-environmental value-for-money or public-private partnerships**	Getúlio Vargas Foundation – FGV – Sao Paulo School of Administration - São Paulo, Brazil	2011 – 2013
Graduate Courses (PGCert) in Project Management	University of California Irvine, USA	2012

6. **Professional Certification or Membership in Professional Associations:**

Memberships:

- CFQ – Federal Chemistry Council of Brazil – CRQ XII register 019118
- IE - Sao Paulo Institute of Engineering
- PMI– Project Management Institute
- ABGE - Brazilian Association of Engineering Geology and the Environment
- IBAMA Federal Technical Record – Class 5.0 Environment Advisor
- The Libyan Council of Engineers at Benghazi – Endorsement of Diplomas in the League of Arab States

7. Other Relevant Training:

Extension Courses in Intersection Treatment Design	National Transportation Authority – DENATRAN, Sao Paulo, Brazil	2006
Extension Courses in Project Management	Getúlio Vargas Foundation – FGV – Sao Paulo School of Administration - São Paulo, Brazil	2008
Business Development in Infrastructure	CQG Corporate University – São Paulo, Brazil	2011
Strategic Negotiation	CQG Corporate University – Rio de Janeiro, Brazil	2014

Internships, trips and technical visits:

- CN Rail and Metro operators/suppliers technical visit (sponsored by the Canadian Foreign Trade Office) – Toronto, Montreal, Kingston (2013)
- Dubai Metro operations and facilities - technical visit (2014)
- Tokyo Metro operations and facilities - technical visit (2014)
- Technical visit to rolling stock and systems manufacturers in Tokyo and Kuki, Japan (2014)
- Singapore Metro operations and facilities - technical visit (2014)
- Beijing Metro operations and facilities - technical visit (2014)
- Trade visit to InnoTrans 2014 – Berlin, Germany (2014)
- Guangzhou Metro operations and facilities - technical visit (2015)
- China Southern Rail (now CRRC) – rolling stock manufacturer – technical visit to the Zhuzhou and Qingdao plants. China, 2015
- Panama Metro operations and facilities - technical visit (2015)
- Comprehensive technical visit to the China National Railway and Metro operations and technology centres, rolling stock manufacturers and engineering companies (sponsored by the Ministry of Commerce of China) in Beijing, Chengdu, Tianjin, Nanjing, Shanghai and Shenzhen, China, 2016

Publications:

- GOBBO, A.; MUNDIM, R. ; MENEZES, P. Study on design of rigid traffic barriers and collision protection devices for CELG high-voltage electric energy transmission towers of Anapolis and Ap. de Goiania. Goiania: Companhia Energética de Goiás, 2008.
- GOBBO, A. GIS based technical register survey of BR-470 (Santa Catarina State) and BR-101 (States of Espírito Santo and Bahia) Highways. 2008.
- GOBBO, A.; MUNDIM, R. Technical Report - traffic barriers and collision protection devices for CELG high-voltage electric energy transmission towers in Aparecida de Goiânia road ring. Goiania: Companhia Energética de Goiás, 2007.
- BARBOSA, R.; MUNDIM, R.; GOBBO, A. Transport/transit/mobility Impact Report (RIT)-Anapolis, GO Urban Transport Hub . 2006.
- MUNDIM, R.; BARBOSA, R.; GOBBO, A. Transport/transit/mobility Impact Report (RIT) -Santa Genoveva International Airport – new passenger hub station. Goiania, GO. 2005.
- GOBBO, A.; MORAIS, F. Complete traffic signalling plan design - City of Anápolis. 2005.
- BARBOSA, R.; MUNDIM, R.; GOBBO, A. Traffic and mobility Impact Report (RIT)-Universidade Catolica de Goias. 2004.
- GOBBO, A.., OLIVEIRA, J. A methodological approach for assessing the impacts of climate changes on transportation infrastructure in the rural environment. Aug 2009 - Abstracts approved for publication in WCTR 2010 – Lisbon – World Congress on Transport Research

8. Countries of Work Experience:

- Brazil
- United Arab Emirates
- Kingdom of Saudi Arabia
- Libya
- Chile

9. Languages:

Language Skills	Reading	Writing	Understanding
Portuguese	Fluent	Fluent	Fluent
English	Fluent	Fluent	Fluent
Spanish	Fluent	Fluent	Fluent

10. Employment Record:

Period	Employing Organisation and your title/position. Contact info for references	Country	
2017-2020	VON GLEHN, GOBBO & PARTNERS Associate	Brazil.	
2017	MTM - MARTIFER METAL Business development / Corporate Affairs Director	Brazil	
2010-2017	QUEIROZ GALVAO CONSTRUCTION. Traffic Engineer / Planning Engineer Coordinator / Project Manager	Brazil	
2005 - 2008	CMTT - COMPANHIA MUNICIPAL DE TRÂNSITO E TRANSPORTES, ANAPOLIS, GO, BRAZIL Engineering Manager (2005-2007) / Director of Engineering (2008)	Brazil	CMTT is the Public Transit and Traffic Engineering Agency of the 350,000 inhabitants city of Anapolis, GO, in Brazilian mid-west region. Traffic engineering and mass transportation system planning and implementation. Mobility-related urban and rural intervention
2004 - 2010	VIA URBANA PROJECTS AND ADVISORY Senior advisor, and Senior Project Manager coordinator of comprehensive traffic and transport impact studies	Brazil	
1997 - 2004	BHC - BRAZ HUMAN CORP ENGINEERING AND CONSULTING Project Manager	Brazil	

11. Detailed Tasks Assigned

He will be responsible to assist the Team Leader in managing all design related matters and will lead the design team in preparation of detail design of the project, relevant technical documentations and comprehensive design coordination keeping all aspects of urban transport, mass transit and quality in consideration.

12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned

The expert has 23 (twenty tree) years of professional experience in urban transport infrastructures design and planning with local (Brazil) and international experience.

The expert deals with projects in similar and/or lager nature, scale and complexity for more than 10 years.

Almost his entire experience has been working in countries with similar conditions (Latin America, Africa and Middle East). The expert is fluent in English language.

Mr. Gobbo is qualified equivalent to Transport Engineer (Production Engineer), with master's degree in Infrastructure Management, Extensions Courses in: Intersection Treatment Road Designs, and is recognised as an expert by Sao Paulo Institute of Engineering, Project Management Institute, Brazilian Association of Engineering Geology and the Environment, and The Lybian Council of Engineers at Benghazi – Endorsement of Diplomas in the League of Arab States.

The expert carried out project, preliminary and detailed design management for Bus Rapid Transit in: Goiania (Brazil), Sharjah (UAE), Abu Dhabi (UAE), Riyahd (KSA). Has also been responsible for project and design assessment of Ligth Rail Transit Services in: Belo Horizonte (Brazil), Salvador (Brazil), Fortaleza (Brazil), Aracaju (Brazil) and Santos (Brazil). In addition to all that, he was responsible for several transit system and urban assessment.

The assigned specialist was elevated to managerial positions very early in his career, especially due to his comprehensive vision, which extends far beyond the design activities, providing the client with a comprehensive view of all aspects related to the operation of the BRT system and the economics of the concession model, including economic and financial feasibility and bankability, environmental sustainability, and socio-economic benefit.

His experience is also reflected in all dimensions of a transportation system concession - BRT or Rail - both on the public and private side, as a planner, as an operator, as an operational and business strategist, and as a design consultant with expertise in the areas of infrastructure business, engineering and intermodal integration, vehicle application, transportation system operation and demand analysis.

Detailed Tasks Assigned	Reference to Prior Work/Assignments that Best illustrates Capability to Handle the Assigned Tasks
	Work experience in other countries • Libya – Benghazi Roads Project (2010) / Infrastructure Works in Dariyanah, Al-Quyriah (Toccra), Al-Abyiar, Al-Marj, Al-Drysiah and Slouq (2010-2011) • United Arab Emirates – Sharjah BRT Project (2010) / Abu Dhabi BRT Project (2012) / Also Rhyiad BRT (KSA) studies were developed mostly in Dubai (2012) • business-related activities in Canada (2013), Japan (2014), Singapore (2014), China (2016), USA (2016-2017), Chile (2017), Spain (2017) and Argentina (2017) **Name of assignment or project**: BRT Norte-Sul. GOIANIA. BRAZIL. **Year**: 2008 – 2010 and 2012-2013 **Location**: Brazil **Client**: GOIANIA Municipality **Main project features**: Feasibility studies, conceptual, basic and detailed design (23,75 km) **Positions held**: Senior BRT Design Manager **Activities performed**: Responsible for the technical consultant and the coordination and supervision of all project activities including: - Feasibility Studies and Functional Design - Conceptual Design - Basic Design - Detailed Design including:

- 24 km dedicated lines
- BRT Bus stops (Stations): 37

Integration **Name of assignment(s) or project(s)**: Sharjah BRT Project / Abu Dhabi BRT Project / Also Rhyiad BRT (KSA)
Year: 2010 – 2012
Location: KSA and EAU
Client: QUEIROZ-GALVAO International
Main project features: Feasibility studies and tender designs
Positions held: Senior BRT Design Manager
Activities performed: Responsible for the technical consultant and the coordination and supervision of all project activities including:

- Feasibility Studies and Functional Design checking
- Tender Design up to a Basic Design detail
- These projects included more than 200km length dedicated corridors with Stations, Terminals, Transfers, depots, etc.
- As these activities were "internal" studies to evaluate a private feasibility investment, all activities involving the whole project were analyzed: to evaluate properly the CAPEX and OPEX. Tender Design also included several optimizations not only for the design but for the operation.
  - Terminals: 7
  - Transfer Stations: 8
  - Depots: 2
  - Arquitecture, MEP, etc. for all facilities
  - Urban Inception, geometry, structures, pavement, drainage, signalling, ITS, fare collection, etc.

Name of Assignment or Project: Salvador City Concessions & PPPs
Year: 2021
Client: Salvador City Administration
Location: Brazil
Position: Director of Programs and Projects (Also acting as Advisor the Secretary of Economic Development)
Responsible for structuring and/or assessing and advisory on ALL the Concessions and PPPs of the City of Salvador, including the BRT Stations concession and Urban Mobility issues.

Name of Assignment or Project: QUEIROZ GALVAO CONSTRUCTION
Year: 2012-2017
Location: Brazil
Main Project Features:
Initially assigned to develop project finance and PPP projects in the states of Bahia, Rio Grande do Sul, Paraná, Santa Catarina and Minas Gerais, mainly railroad, road, water and build-to-suit concessions as a member of the commercial team of DCOM-4, under the Regional Commercial Director. In that period, several highly complex structured finance feasibility pre-bid studies and PMIs (procedures for expression of interest in project finance initiatives) were produced. From 2012, as a Sao Paulo-based team member of the SUPE – Structured Finance Superintendence, I was assigned to coordinate the totality of the pre-bid studies of the SP Metros Lines 18 (25 km monorail) and 6 (15 km underground conventional metro) PPPs, acting as deputy of the Business VP at the Board of Administration of the Line 6 concessionaire during the implementation of the SPC. In 2016 promoted to Corporate Affairs Superintendent

- Ferroeste complete PPP and Feasibility Studies (EVTEA) (250 cargo railway, heavy hauling)
- Project Manager, coordinator of high complexity projects. Coordinator of economic, financial, operational, engineering, strategic and feasibility modeling for PPPs and investment initiatives.
- Coordinator on strategy, corporate and financial planning for large-sized national and multinational infrastructure ventures and strategic Investor-EPC partnerships. Head of fund raising and investor relations, under the Corporate Affairs Director, focused on private equity funds and investment banks in Brazil, China and the USA (2016-17) – including Railroads, BRT, Energy and Metrorail concessions (subway, LRT and Monorail)

Main BRT and LRT Projects in charge (in Brazil): Santos LRT, Goiania LRT, Salvador Monorail, Salvador BRT, Maceio BRT & LRT, Lauro de Freitas-Camaçari LRT, Belo Horizonte LRT, Belo Horizonte Monorail, Sao Paulo Monorail (Lines 15 and 18), Recife Monorail Project.

Name of Assignment or Project: QUEIROZ GALVAO CONSTRUCTION INTERNATIONAL – BENGHAZI, LYBIA
Year: 2010
Location: Lybia
Main Project Features:
CONSTRUTORA QUEIROZ GALVAO is one of the major EPC players in Brazil and started overseas operations in the beginning of the 2000's. Lybia Project started in 2008 and the local market was developed through a specific department, DINAO – Directorate for Northern Africa and Orient comprehending several full-infrastructure requalification works (railway, water and sewage treatment, pavement, urbanization, lighting and telecommunication) of six cities – Dariyanah, Alquyriah, Aldryisiah, AlMarj, Alabyiar and Slouq – and a series of greenfields as the Benghazi Roads project, a 30km road complex connecting the 5th ring road to the new Chinese-built developments off the city skirts – which I was first selected for as a Benghazi-based traffic engineer expert – including a future transit-oriented development, including railway transit. Meanwhile Benghazi Roads was being carried-on, I was assigned to produce the traffic diversion design to the roadworks of all Lybian projects as well as to coordinate the development of Sharjah Emirate, Abu Dhabi Emirate and Ryiad (KSA) BRT projects at the CQG Dubai Branch – including operational design, technical features, demand studies, vehicular procurement specifications, roads & bridges, stations & terminals preliminary design and specs. In a further promotion, in addition to the previous assignments I was also designated to coordinate the planning engineering of the 6 infrastructure requalification projects. The civil war in Lybia unleashed by the Arab Spring demanded all projects to be halted and the complete team evacuation from the warzone by the end of March, 2011

Name of Assignment or Project: CMTT - COMPANHIA MUNICIPAL DE TRANSITO E TRANSPORTES, ANAPOLIS, GO, BRAZIL
Year: 2005-2008
Location: Brazil
Main Project Features:
CMTT is the Public Transit and Traffic Engineering Agency of the 350,000 inhabitants city of Anapolis, in Brazilian mid-west region.
Traffic engineering and mass transportation system planning and implementation. Mobility-related urban and rural intervention.
Responsible for the coordination and design assessment of the city mass transportation system as Director of Engineering and Transit, including the coordination of studies for bidding of the bus operation system and terminals.

Name of Assignment or Project: VIA URBANA PROJECTS AND ADVISORY – BRASILIA, DF, BRAZIL
Year: 2004-2010
Location: Brazil
Main Project Features:
VIA URBANA is a consulting company focused in traffic engineering and urban planning in northern and mid-west Brazil. Started operations in 2004 and produced many environmental-oriented traffic generation impact reports in urban areas of enterprises deployment and expansion, as well as transit oriented developments – Bus/ BRT/ airports – and transport masterplans.
Main projects:
(a) Santa Genoveva Airport Traffic Impact Studies for Infraero and the State of Goias;
(b) Comprehensive Transport Master Plan for the city of Porto Velho, Capital of Rondonia State – sponsored by Santo Antonio Energia S/A as an environmental compensation for the construction of the Santo Antonio Hydropower plant in Madeira River – including the redesign of the bus transit system and conception of Exclusive Bus Corridors.

Name of Assignment or Project: BHC - BRAZ HUMAN CORP ENGINEERING AND CONSULTING
Year: 1997-2004
Location: Brazil
Main Project Features:
BHC is a consulting company focused in Traffic Engineering services for private and government clients, comprehending railway and roadway transit services studies, traffic data surveys, urban road design, including signaling, pavement, road

geometry, bridges and viaducts, traffic diversions, studies of traffic generating poles, Trains and Bus Rapid Transit corridors operation.
Main projects:
(a) Preliminary technical feasibility studies for passenger rail commuter services for the Goias State Government, Brazil).
(b) Hierarchy System of the Streets and Urban Roads of Goiania, GO;
(c) Orientation Signaling plan and design of the city of Goiania, GO;
(d) Sinalvim – Metropolitan Signaling Masterplan of the Baixada Santista region;
(e) Mass transportation and transit system masterplan of Aracaju, SE. Including a complete redesign of the city's entire mass transit system – Terminals, routes, transit features, signalling, bus specification and layouts. (2000-2001)
(f) Design advisory – Manaus Bus Corridor System (1998-9)
Design advisory for the preliminary design of the "Fura Fila" – 12km elevated BRT corridor in Sao Paulo (1997)

Name of Assignment or Project: Sao Paulo Metro Line 6 – Orange Public-Private Partnership
Year: 2012 - 2014
Location: Brazil
Main Project Features:
Most emblematic, complex and challenging project in Gobbo's career so far, the USD 5.5 bn Metro Line 6 development was, at its time, the world's largest greenfield PPP project and illustrates the sum of timely acquired competences acting within a single job. Line 6 is a 15km, 15-station underground metro system within the city of Sao Paulo, designed to transport more than 650,000 passengers/day. Pre-bid multidisciplinary studies comprehended CaPex (engineering works budgeting and strategic plan, rolling stock, energy, architecture, systems, tunneling, environment/ archeology and risk mitigation studies); OpEx (operational costs, risks and forecast, ordinary and accessory revenue, upsides and management plan), Legal Aspects (regulatory framework, corporate law, financial-legal framework, expropriation, right-of-way, guarantees, risk matrix, public hearings, compliance, bidding procedures, tender preparation, contractual framework) and Economics (feasibility, financial and economic valuation and sustainability, business design, modelling, funding and financial sources, way-out alternatives, investment planning and tax optimization, negotiation of financing conditions with BNDES, private equity funds and investment banks), representing Queiroz Galvao shareholders interests in a workgroup with Odebrecht and UTC teams, partners in the project.
From the contract adjudication on, during the implementation of the project, Gobbo acted as deputy of the Business Development VP of CQG to the Board of the MOVE SP concessionaire taking active part in the final contractual framework of the enterprise, demand and economic/ financial review studies and models, selection of rolling stock manufacturer, final design of stations and facilities and interfacing between SPC and EPC consortiums.
For reference: http://www.movesaopaulo.com.br/

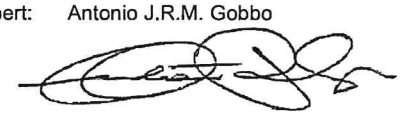
Name of Assignment or Project: PMI – 4th Conection Island -Continent – Proposals for Urban Mobility in Florianopolis
Year: 2012
Client: Santa Catarina State Goverment
Location: Brazil
Position: Project Manager

Name of Assignment or Project: PMI – Salvador Metro Project
Year: 2011 – 2012
Client: Bahia State Government
Location: Brazil
Position: Project Manager

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. 1 understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank

Name of Expert: Antonio J.R.M. Gobbo Date: 01/06/2021



15

dar Dar Al-Handasah Consultants (Shair and Partners) in Joint Venture

NES PAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0005-22

14th January 2022

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Meeting with SMTA & KATI dated 31-12-2021 – Minutes of Meeting

Dear Sir,

With reference to the intrud meeting held between SMTA, Korangi Association of trade and Industry (KATI) and the JV on 31/12/2021, we are pleased to include herewith, for your kind record, a copy of the final Minutes of Meeting "MOM".

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Copy to:

- Managing Director, SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

14/1/2022
DIV Infra.
PCMS
SHERQ
17/01/2022

Manama Wind Tower, Office 81, Building 403, Road 1705, Manama 317, P.O. Box 5491, Kingdom of Bahrain
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ILMA 34
14-1-2021

Minutes of meeting

Karachi Mobility Project

Subject: **Yellow Bus Rapid Transit:** Coordination meeting with Korangi Association of trade and Industry (KATI)

Location: Office of Korangi Association of Trade & Industry (KATI), Karachi **Date:** **31/12/2021**

Present: Mr. Muhammad Zubair Chaya, Chairman & CEO KATI

Mr. Syed Farrukh Ali Qandhari, Vice President, KATI

Mr. Saleem us Zaman, Immediate Past President, KATI

Mr. Nihal Akhtar, Secretary General, KATI

Mr. Zafar Iqbal - SMTA

Mr. Jalal Jafri – SMTA

Mr. Mohamed Abd Elaziz – DAR and NESPAK JV

Mr. Muhammad Adnan – DAR and NESPAK JV

Copies to: Mr. Imran Bhatti – Project Director, KMP (Yellow BRT), SMTA

Mr. Muhammad Yousuf Munir – Director Infrastructure, KMP (Yellow BRT), SMTA

Mr. Ali Abbany – DAR and NESPAK JV

Mr. Bahjat Ghandour - DAR and NESPAK JV

Mr. Rehan Zamin – DAR and NESPAK JV

Ref.	Items discussed	For action by
1.	The meeting was held among **Sindh Mass Transit Authority – SMTA (Client), Korangi Association of trade and Industry (KATI) and the Consultants Dar Al-Handasah and NESPAK (JV) of the Yellow BRT Line Project,** to discuss the project alignment falling under Korangi Industrial Area and Geotechnical Investigations to be carried out for the project.	Info.
2.	The JV briefed about the project to KATI representatives and informed that Geotechnical Investigations have been started.	Info.
3.	KATI requested that the stations coming near various roundabouts along 8000 road to be labeled as original roundabout title. They added that the same was also requested during Preliminary Design in 2019.	Info
4.	KATI requested to schedule a meeting regarding solid waste management in the Korangi Area and other technical issues for necessary consideration in the design works.	Info.

Minutes of meeting

Ref.	Items discussed	For action by
5.	The JV enquired about the expected growth factor that can be considered for the number of trucks within the area along the 8000 road, in order to be used for the pavement design. KATI mentioned that the area is fully developed, and they don't expect a considerable increase on the business within the area. However, the growth factor could be discussed with SMTA to reach for a reasonable value to be used in the design works.	Info.
6.	Meeting concluded with assurance from KATI to provide its full support during the various project activities	Info.

Prepared by: Muhammad Adnan Signature:

Issue date: January 05, 2022

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dar Dar Al-Handasah Consultants (Shair and Partners) In Joint Venture

NES PAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0004-22

7th January 2022

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Meeting with SMTA & Logit for ODBM Report dated 19-11-2021 – Minutes of Meeting

Dear Sir,

With reference to the Technical Coordination meeting held between SMTA, the JV Consultants and Logit / Exponent Engineers Consultants on 19/11/2021 pertaining to the latest received version of the ODBM Report – November 2020, we are pleased to include herewith, for your kind record, a copy of the final Minutes of Meeting "MOM".

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Copy to:

- Managing Director, SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

12/01/2022

DTY Engineer

PCMS

14/1/2022

RECEIVED
SMTA-TMTD
Dairy No: 5570
Dated: 10-01-2022

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box 5491, Kingdom of Bahrain
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Minutes of meeting

Karachi Mobility Project

Subject: **Yellow Bus Rapid Transit:** Coordination meeting with SMTA, JV Consultants and Logit & Exponent Consultants for ODBM Report and Transport Model

Location: Sindh Mass Transit Authority Offices / **Date:** **19/11/2021**

Present: Mr. Muhammad Yousuf Mounair – SMTA (Director of Infrastructure)

SMTA Engineers

Mr. Ali Abbany – DAR and NESPAK JV (Project Director) – Conference Call

Mr. Bahjat Ghandour - DAR and NESPAK JV (Team Leader) – Conference Call

Mr. Mohamed Abd Elaziz – DAR and NESPAK JV (Deputy Team Leader)

Mr. Rehan Zamin – DAR and NESPAK JV (Project Manager)

Dr. Hicham Akkawi – DAR and NESPAK JV (Transportation Specialist) - Conference Call

Mr. Antonio Gobbo – DAR and NESPAK JV (BRT Specialist) - Conference Call

Mr. Abdel Rahman Samaha - (Transportation Engineer) - Conference Call

Logit Engineers - Conference Call

Mr. Ashar H. Lodi – (Exponent Engineers (Pvt.) Limited) - Director

Mr. Mubashir Moin, Exponent Engineers – Conference Call

Copies to: Mr. Imran Bhatti – SMTA (Project Director / Managing Director)

Ref.	Items discussed	For action by
1.	The meeting was held among **Sindh Mass Transit Authority – SMTA (Client), the Consultants Dar Al-Handasah and NESPAK (JV) of the Yellow BRT Line Project, and Logit / Exponent Engineers Consultants** to coordinate and discuss the JV consultant findings about the latest received ODBM Report – November 2020 and the Transport Model.	Info.
2.	The JV confirmed that the provided responses (attached to the MOM) from Logit / Exponent Engineers Consultants on the technical queries raised by the JV clarified most of the raised queries. However, some queries still need further clarifications and have been discussed during the meeting. A copy of the presentation slides with the JV queries are attached to the MOM.	INFO
3.	The JV clarified that the received ODBM report does not specify the distribution of the passenger transfer number between the main corridor and the different feeder routes at each Station, as included in slide 8 (Query # 6) in document presented during the	LOGIT

Ref.	Items discussed	For action by
	meeting where the 1st table (Table 4.4 extracted from ODBM Report dated November 2020) shows the YL stations and the Transfer Lines serving these stations.". LOGIT Modeller agreed to provide the passenger transfer numbers between the lines at the YL stations.	
4.	The JV enquired about the design Year of the received Transport Model. LOGIT Modeller confirmed that Transport Model is for year 2017.	Info.
5.	The JV enquired about the AADT Growth factor, currently a 2.5% growth per year is being adopted. LOGIT Modeller will check and advise.	LOGIT
6.	The JV highlighted that the latest ODBM Report of November 2020 includes only 24 Stations, instead of 28 Station included in the previous version of the report (April 2019). Logit confirmed that the 24 Stations is the latest number of stations based on the discussion done during the study time with different stakeholders back in the year 2019. The JV stated that the change they have noticed are the following: 1. Four groups of each 2 stations (total 8 stations) have been compiled into one station (total 4 stations). 2. Additional station located at the FTC interchange, which is geometrically not possible.	Info.
7.	The JV highlighted that, although the number of the stations and their locations have been changed from the old ODBM report dated April, 2019, the Boarding, Alighting and Transfer data are the same in the two reports. The JV asked Logit Modeller to provide and confirm the Boarding, Alighting and Transfer Data shown in the recently received ODBM Report dated November 2020, refer to slide 8 (Query # 6) in attached document presented during the meeting where the 2nd table shows the data received. LOGIT Modeller agreed to provide the same.	LOGIT
8.	The JV asked for details on the O/D pairs and assumptions that oriented the structuring design of the feeder and direct Lines, mentioning particularly the case of YL Direct-04 and Direct-05 lines and corresponding stations as displayed in the Nov 2020 version of the OBDM report. JV also questioned the existence of a true travel desire across the corridor that justifies the north-south transposition of the main trunk alignment. LOGIT Modeller explained that some of the decisions on the selection of the final	Info.

Minutes of meeting

Ref.	Items discussed	For action by
	alignment of the feeder lines were made on strategic level by the client, aiming for local development targets. They also mentioned that the selection of 9m buses for feeder services within the fleet composition model was meant to attend to geometric constraints.	
9.	The JV asked for the original O/D matrix to better understand the weighted level of adherence of both strategic and technical guidelines to the off-corridor / feeder lines. The JV also questioned the allocation of stations out of the standard BRT spacing standards and the issues related to the transfer between feeder lines in the off-corridor network. LOGIT explained that the intention was to stimulate transit within the main trunk and not at the feeder lines. They also explained about geometrical constraints for allocation of the stations and that the allocation was defined jointly with the local team. LOGIT will also provide the JV with the requested O/D pairs and some additional information on the queries for assessment.	LOGIT
10.	SMTA asked LOGIT to ensure that all the information requested and agreed during the meeting to be provided in advance of the next scheduled meeting on Tuesday, November 23, 2021.	LOGIT

Prepared by: Mohamed Abd Elaziz Signature:

Issue date: November 22, 2021

14?

dar Dar Al-Handasah Consultants [Shair and Partners] In Joint Venture

NES PAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0001-22
4th January, 2022

Project Director (Karachi Mobility Project) YLC
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

10/1/22

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: New / Changed Requirements Impacting Design Progress

12/01/2022

Dear Sirs,

We refer to the ongoing coordination, several discussions and meetings held with SMTA team over the last couple of months. We wish to remind here-below the different design aspects and awaited information/direction from the Client that have major impact on the design progress and submission of project deliverables:

I. **New Operational Design and Business Model "ODBM" Report**:

The latest version of the subject report, received from SMTA on 9/11/2021, has been discussed during the meeting held with SMTA and Logit/Exponent Engineers Consultants on 19/11/2021, where the JV raised several queries and requests for additional information/data. Since that meeting, several follow up e-mails were sent regarding the subject, however the subject will need further technical coordination meeting in presence of Logit / Exponent, to reach a final agreement for the final report outcome to be considered in the design of the Yellow BRT project.

Dr Rafiq

14/1/2022

In this regard, we wish to bring to your kind attention that the final outcome and recommendations of the ODBM report have major implications on the design process and schedule of the Yellow BRT Line, and which can be summarized as follows:

1. The modifications in the number and locations of stations will have the following impact:
   a. Changes to the overall road layout.
   b. Changes in the geotechnical investigation programme to match the new stations' locations.

2. The boarding, alighting and transfer numbers at each station need to be confirmed by Logit/Exponent Engineers consultants, and more coordination to be undertaken with them is required as highlighted in our earlier communications. This may impact the station sizing and layout.

3. The change in the fleet composition by introducing the 9m bus will impact the depot layout design.

4. The modifications to the off-corridor and feeder routes, where some routes have been added (additional 20.6 km) and some have been deleted (removal of 9.2 km), will have the following implications:

   a. Some of the feeder routes cannot have direct access to the stations as recommended in the new ODBM report due to the configuration of the junctions as underpass structure. In such case, the boarding, alighting and transfer numbers for each station should be updated, which will accordingly impact the station sizing.

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Dairy No: C-571
Dated: 10-01-2022

b. Need for additional topographical survey for the newly added routes, noting that the topographical survey works for the original routes have been completed.
c. Need for additional pavement assessment, which was planned to start by mid of December 2021.
d. Additional design effort to cover the additional length of the off-corridor routes.

It is of utmost importance that SMTA confirms the above changes and Logit/Exponent Engineers consultants provide the needed clarifications and additional information in order to avoid further delays to the dependent work streams as described above.

II. **New Depot Requirements and Site Limits**:
The JV team is unable to proceed with the detailed design of the two depots, due to the following:

1. SMTA requested to study several options for different fuelling mechanism in the depots in the kick-off and subsequent meetings. In response, the JV shared a technical comparison and recommendations pertaining to the depot layout to accommodate flexible fuelling mechanism (latest by e-mail dated 10/12/2021), however, no further confirmation or guidance was received on how to proceed on this. It is to be noted that the final fuelling mechanism will have the following impacts:
   a. The total number of buses in the fleet will depend on the adopted fuelling mechanism.
   b. The final layout of the depot will be subject to the facility requirement of the selected fuelling mechanism.
   c. The station design may also be impacted in case there will be requirements for intermediate fuelling mechanism to be considered at each station.
2. The exact coordinates of both depots are not yet fixed, and coordination is ongoing between SMTA and the JV survey team in order to mark the plot limits on site for necessary consideration in the design works.

In summary, the introduction of the new ODBM report and the new requirements for depot design are hindering the progress of the project. The JV is unable to proceed in the detailed design of the various project components before receiving confirmation and clarifications on the above-raised issues, along with final decisions regarding the depot and fuelling mechanism; this situation is delaying the submission of the detailed design of various packages.

We kindly request SMTA to advise urgently on the above topics, and we shall remain available for any clarification you may find needed.

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative
Copy to:

- Managing Director, SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

13c

Dar Al-Handasah Consultants (Shair and Partners)
In Joint Venture
National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0010-21

31st December 2021

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Meeting with SMTA & K-Electric dated 29-11-2021 – Minutes of Meeting

Dear Sir,

With reference to the Technical Coordination meeting held between SMTA, K-Electric teams and the JV Consultants on 29/11/2021, we are pleased to include herewith, for your kind record, a copy of the final Minutes of Meeting "MOM".

Thank you.

Yours faithfully
For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

14/01/2022

14/01/2022

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Minutes of meeting

Karachi Mobility Project

Subject: **Yellow Bus Rapid Transit:** Coordination meeting with K-Electric, SMTA and JV Consultants for the Existing Electric Network

Location: K-Electric Qayyumabad Complex, Karachi **Date:** **29/11/2021**

Present: Mr. Muhammad Yousuf Munir – SMTA

Mr. Jalal Jafri – SMTA

Mr. Mian Sarmad Saeed Shah - K-Electric

Lt Col (R) Manzoor Hasan Khan - K-Electric

Mr. Alam Sher - K-Electric

Mr. Imran Habib - K-Electric

Mr. Gul Hassan - K-Electric

Mr. Yazdani Tariq - K-Electric

Mr. M. Adil Farooq - K-Electric

Mr. Mohamed Abd Elaziz – DAR and NESPAK JV

Mr. Rehan Zamin – DAR and NESPAK JV

Mr. Muhammad Kashif – DAR and NESPAK JV

Mr. Faisal Karim Khan – DAR and NESPAK JV

Copies to: Mr. Imran Bhatti – SMTA

Mr. Ali Abbany – DAR and NESPAK JV

Mr. Bahjat Ghandour - DAR and NESPAK JV

Ref.	Items discussed	For action by
1.	The meeting was held among **Sindh Mass Transit Authority – SMTA (Client), K-Electric and the Consultants Dar Al-Handasah and NESPAK (JV) of the Yellow BRT Line Project,** to coordinate and discuss the existing K-Electric network within the project boundary.	Info.
2.	The JV briefed K-Electric team regarding the project background of BRT Yellow and highlighted that various site surveys were performed during the preliminary design stage of the project in 2016 and 2019 and accordingly KE team marked their lines on the drawing. An online meeting was also held dated 28th October 2021.	Info.
3.	The JV mentioned that 132KV overhead line (pylon structures with 240m spacing approximately) is located in the center median of 8000 Road between Brookes Roundabout and Murtaza Roundabout, and during the Preliminary Design, the BRT lanes were planned at the existing road/median edge in such a way that the kerb of the	Info

Minutes of meeting

Ref.	Items discussed	For action by
	existing median would remain undisturbed. The JV also added that there is another underground line of 132KV located from NMC to CSD.	
4.	The K-Electric team clarified that they have requirements to be considered in the design of the project pertaining to the existing network, as follows: a. Requirement of EHT OH Vertical clearance is 6.2m, whereas Horizontal clearance are 5.4m & 8.2m from the edge of conductor and center of the pylon, respectively, as per NEPRA code. SMTA representative requested a copy from NEPRA code for complete confirmation on these requirements. b. Provision of access for maintenance vehicle in central Median at 8000 Road should be maintained. c. Getz Pharma operates a dedicated circuit cross Bilal Chowrangi. Info to be collected from Getz Pharma. d. EHT UG oil-filled circuit is laid in central median from NMC to CSD bunker. e. Various EHT UG circuits were discussed along the project alignment, where relocation should be considered in the design away from any works. f. EHT UG circuit is proposed along Sh-e-Quaideen and Purchase order is already issued by K.E. **Post Meeting Note:** K-Electric provided a copy of the NEPRA Code via their e-mail dated 29/12/2021.	Info.
5.	The JV clarified that, they have checked the impact of the existing pylons along 8000 Road on the current design of the BRT corridor and noticed that some locations cannot satisfy the minimum clearance required by K-Electric, based on the conducted topographical survey along the project area. The JV asked K-Electric to provide the following information to have more accurate check of the impact of the existing pylons and the underground network on the design layout: a. Typical Section Drawing showing the details of pylon and required Clearances. b. EHT UG Networks **Post Meeting Note:** K-Electric provided a copy of the pylon details as well as the underground network for the Yellow BRT corridor, via their e-mail dated 29/12/2021.	Sarmad Saeed (K-Electric)
6.	The JV asked K-Electric Team to verify and update the KE lines marked on the drawing during the preliminary design in 2019.	Sarmad Saeed (K-Electric)
7.	All parties agreed to have a Joint Site Visit to discuss and finalize the relocation after updating K-Electric Network on the drawings.	Sarmad Saeed (K-Electric) Mir Sadat

Minutes of meeting

Ref.	Items discussed	For action by
	Post Meeting Note: The site visit has been held and attended by K-Electric and the JV engineers to identify the location of the existing network. Another site visit is planned to take place on the 1st week of January 2022 to complete the identification of the remaining part of the network.	

Prepared by: Mohamed Abd Elaziz Signature:

Issue date: December 2, 2021

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dar Dar Al-Handasah Consultants (Shair and Partners) in Joint Venture

NES PAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0003-21

27th October 2021

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Meeting with SMTA for Procurement Documents dated 13-10-2021 – Minutes of Meeting

Dear Sir,

With reference to the meeting held between SMTA procurement team and the JV Consultant on 13/10/2021 regarding the Procurement Documents Template received from the World Bank and which were shared with the JV by SMTA, we are pleased to include herewith, for your kind record, a copy of the final Minutes of Meeting "MOM", as well as the list of the data/information that need feedback/input from SMTA and/or the World Bank.

We shall remain available for any clarification you may find needed pertaining to the subject discussion.

Yours faithfully
For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

B.GHANDOUR

Bahjat Ghandour
Team Leader Design

28/10

Dir Infra

PCMS emailed 26/12

Named original 29/12/21

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Inward No: L-367
Dated: 28-10-2021

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C.R. No.: 9200-1 | B.S.C. Closed (Capital US$: 27,000,000)

JV Address 1-C, Block-N, Model Town Extension,
Lahore 54700, Pakistan

129

Dar Al-Handasah Consultants
(Shair and Partners)

in Joint Venture

National Engineering Services
Pakistan (Pvt.) Limited

P21161/A/L0005-21

25th November 2021

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Kick-off Meeting with SMTA dated 12-10-2021 – Minutes of Meeting

Dear Sir,

With reference to the Kick-off meeting held between SMTA, World Bank teams and the JV Consultants on 12/10/2021, we are pleased to include herewith, for your kind record, a copy of the final Minutes of Meeting "MOM".

Assuring you our best professional services at all times.

Thank you,

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

30/11

Please circulate & arrange relevant approvals

DIR Infra

Received 30/11/2021

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SMTA-TMTD
Diary No: 4128
Dated: 26-11-21

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Minutes of meeting

Karachi Mobility Project

Subject: **Yellow Bus Rapid Transit:** Kick-Off Meeting with SMTA

Location: Sindh Mass Transit Authority Offices **Date:** **12/10/2021**

Present: Mr. Imran Bhatti – SMTA (Project Director / Managing Director)

Mr. Yousuf Mounair – SMTA (Director of Infrastructure)

Mr. Rafay Ali – SMTA (Director Finance & Accounts)

Mr. Zafar Iqbal – SMTA (Procurement & Contract Management Specialist)

Mr. Hassan A. Zaidi – World Bank

Mr. Ali Abbany – DAR and NESPAK JV (Project Director)

Mr. Ibrahim Haddad – DAR and NESPAK JV (Senior Procurement Specialist)

Mr. Mohamed Abd Elaziz – DAR and NESPAK JV (Deputy Team Leader)

Dr. Mohamed Elsisi – DAR and NESPAK JV (Bridge Rehabilitation Specialist)

Dr. Islam Mamdouh – DAR and NESPAK JV (Pavement Specialist)

Dr. Ibrahim Haddad – DAR and NESPAK JV (Procurement Specialist)

Mr. Antonio Gobbo – DAR and NESPAK JV (BRT Design Expert)

Mr. Rehan Zamin – DAR and NESPAK JV (Project Manager)

Mr. Ali Sher Shah – DAR and NESPAK JV (Environmental Safeguards Specialist)

Copies to: Mr. Bahjat Ghandour - DAR and NESPAK JV (Team Leader)

Ref.	Items discussed	For action by
1.	The meeting was held between **Sindh Mass Transit Authority – SMTA (Client), the World Bank (WB), and the Consultants Dar Al-Handasah and NESPAK (JV)** being the official Kick-off meeting of "Karachi Mobility Project (Yellow Bus Rapid Transit)".	Info.
2.	The meeting started with a brief introduction of the attendees from SMTA, WB and JV.	Info.
3.	The JV made a presentation covering the following topics (presentation slides are attached): 1. The project understanding, components and packaging 2. Project timeline 3. Organization Chart and Key Staff 4. One Team Approach that will be applied within the JV team Queries and items to be discussed.	Info.

Minutes of meeting

Ref.	Items discussed	For action by
4.	JV mentioned that preparatory work has already started on the project since receipt of the commencement letter, mainly in relation to surveys and investigations. Site visits are also being carried out to acquaint the team with the existing conditions along the corridor. JV highlighted one particular observation from the site visit being the existence of 132KV power lines and pylons located in the median of the corridor along "Road 8000". SMTA clarified that these lines will not be relocated and consideration for maintenance access and safety should be taken into account in the design of BRT. JV noted that while a requirement from K-Electric of 5.0m buffer zone away from the existing pylon was considered in the preliminary design, further coordination with K-Electric needs to be undertaken in the coming weeks to reconfirm their requirements for incorporation into the detailed design. **Post Meeting Note**: A virtual meeting happened between the JV and K-Electric on 28th October 2021 wherein certain technical matters regarding KE utilities were discussed including requirement of horizontal offset of 8.2m, from the center of pylons, for the BRT corridor, which is different to the requirement communicated during preparation of the Preliminary Design in 2019. SMTA to coordinate with KE for a meeting to discuss all such matters in detail and for record.	JV SMTA
5.	SMTA noted that the KPT interchange, located to the west of Jam Sadiq existing bridge, was designed by NESPAK, and all its related information should be available. In addition, NESPAK mentioned that they have another project ("Link Road for Korangi" with Local Government Department of Govt. of Sindh) for constructing a new bridge along the river south of Jam Sadiq bridge, and the scope includes a detailed Hydrology and Hydraulic Study, which may be integrated considering the requirements of the Karachi Mobility Project.	Info.
6.	JV mentioned that they have received some data from MEW Expressway project at their own. The received data indicates that MEW expressway did not take into consideration the new bridge configuration at Jam Sadiq, and that they are proposing to have several connections between the new Expressway and the existing Jam Sadiq Bridge. JV mentioned that they are coordinating with the MEW Expressway project team to have a meeting to discuss the integration between the two projects, and to ensure a clear identification of the Limit of Works is agreed.	JV

Minutes of meeting

Ref.	Items discussed	For action by
	Post Meeting Note: The meeting was held between the two projects teams on Thursday 14/10/2021 as coordinated by SMTA Director Infrastructure/Projects. It was discussed and later informed to the MEW Project Director on 14th October 21 that the exit and entry ramps be moved 20m further north due to the proposed 4 lane bridge adjacent to the existing Jam-Sadiq bridge. Another meeting with the PD MEW was done on 11th November 21 highlighting the issue of physical integration of MEW and JS bridge and future constructability issues.	
7.	SMTA asked the JV to check, before launching the Package 4 Tender, if the proposed number of lanes (3 lanes + BRT lane per direction) along the existing and new Jam Sadiq bridge is sufficient from traffic demand perspective. JV confirmed that, while they believe the number of lanes shown in the Preliminary Design is probably sufficient, their traffic analysis team will double check. JV added that the new bridge south of Jam Sadiq bridge (the Korangi Link Road Project under the Urban Road Initiative Scheme) will release some of the congestion along Jam Sadiq bridge, to be also checked and confirmed in the traffic study.	JV
8.	WB enquired about the sufficiency of the 10-week Tendering Period for Package 4, especially if the bidders will be required to undertake tests on the existing bridge. JV clarified that they used the same duration as included in the TOR; they also noted that necessary tests to define the scope of rehabilitation will be carried out before launching the tender, so the bidders expectedly may not be required to undertake additional testing during the tender stage. Nevertheless, the JV will re-assess the 10 weeks duration based on the findings from the testing on existing bridge. In addition, the JV highlighted that the tender documents of Package 4 will not release the contractor from his responsibility as a D&B contractor to verify the rehabilitation recommendations and finalize the detailed design by applying all necessary means including additional testing as needed.	JV
9.	JV enquired about the contact person from SMTA and to whom the official communications/correspondences should be addressed. SMTA clarified that all communications / correspondences should be addressed to the Project Director of Yellow BRT Corridor, with a copy to SMTA Director Infrastructure. SMTA also mentioned that an exclusive e-mail account (kmp.infra.smta@gmail.com) will be provided from their side to be also copied in all e-mails. JV informed that they have created a Web Shared link to exchange data within the team	Info.

Ref.	Items discussed	For action by
	members. An additional link could be provided for final deliverables with access rights to SMTA team members.	
10.	SMTA asked the JV to study the possibility of expediting the issuance of Tender Documents for Jam Sadiq Bridge (Package 4). JV clarified that squeezing the timeline is highly dependent on the prompt receipt of permits from relevant authorities to access the site and undertake the necessary structural tests. JV noted that they have already recruited the testing Contractor and requested the permit from SMTA. Furthermore, JV urged SMTA to provide a copy of available information for all previous Repair / Rehabilitation works done for the existing bridge, given the importance of such data in understanding the history of the structure. **Post Meeting Noted**: The NOC from KMC was received on 13/10/2021 allowing the start of the tests on site.	JV SMTA SMTA
11.	JV asked SMTA to provide and confirm the exact area and coordinates of the allocated land for Depot 2. SMTA promised to provide in due time.	SMTA
12.	JV noted that the Transport Model has been received from SMTA on 24/09/2021 and was checked by the traffic team. Subsequently, queries were sent to SMTA for clarification, and feedback on them is still awaited. JV suggested that SMTA arranges a meeting with the Modeler in order to discuss the queries and clarify all technical ambiguities. SMTA promised to arrange for the meeting and will advise the exact time/date. **Post Meeting Noted**: A meeting with M/s Logit (and M/s Exponent) has been arranged on the 19th November 2021 to discuss these queries based on the ODBM report (Volume 1 of November 2020).	SMTA
13.	JV mentioned that they have checked all the received documents/reports related to the feasibility study of the BRT Yellow Line and highlighted that the Fare Policy used in the study may have a big impact on the design requirements as well as the operation of the whole line and asked if the fare policy will be changed, or not. Noting that the fare policy may have impact on the Station Sizing, Depot Sizing and Fleet Composition in case any change to the fare will be applied later (for example if the fare is lower after the network	Info.

Ref.	Items discussed	For action by
	is operated, this could attract more users resulting in over-loading of the system. JV asked SMTA to clarify/confirm if it is correct to use the OBDM/FR's Scenario 15 fare structure of 15-55 PKR – 2km (347,300 ADP) for the sizing of depots, fleet, stations and related Yellow Line project features. SMTA clarified that the Fare Policy has been issued by the Government of Sindh to be used through the whole transport system, including all BRT lines in the city of Karachi, and any changes in this fare rates is a policy matter depending upon the macro-economic indicators, again to be decided by the Government.	
14.	JV raised a concern that if any other public or private service providers operate along the corridor, this may impact the ridership of the BRT Yellow Line. SMTA confirmed that a proper Bus Industry Transition and re-routing of Public Transport to be undertaken to ensure successful operations of the entire public transport system.	Info.
15.	JV advised that the Geotechnical Investigation contractor has been selected and the awarded documents will be signed shortly – assistance from SMTA in obtain the necessary permits for the site works is needed.	SMTA
16.	JV highlighted that Mehran Highway is currently under-construction while it is one of the feeder routes, and asked SMTA to clarify the consultant scope in this area. SMTA clarified that fixing the extent and exact scope for all feeder routes / off-corridors will be subject to separate meetings and discussions to be arranged shortly. **Post Meeting Noted**: A discussion was held between JV and SMTA wherein the JV highlighted some discrepancies in the identified alignments of off-corridor routes in the ODBM report and the feasibility report. SMTA informed that after confirmation, final version of the ODBM report will be shared with the JV to ensure the elimination of any discrepancy or confusion. The ODBM report (Volume 1 of November 2020) was shared subsequently on 9th November 21.	SMTA
17.	SMTA noted that consideration should be taken in the design for the future connectivity between the Karachi Circular Railway (KCR) and the BRT Yellow Line near Kala Pull bridge.	JV
18.	JV asked the Client to provide a copy of the available design information related to the Red and Green BRT lines, in order to have consistent design for the stations (interior design and material selection).	SMTA

Minutes of meeting

Ref.	Items discussed	For action by
	SMTA clarified that there is no need to have consistent interior designs between the different BRT lines; only the functional / operational design of the stations need to be consistent but emphasized on sustainable and simple station design from the cost, constructability and considering future expansion as per the increased demand. In all cases, a copy of the available designs will be provided to JV. JV requested from SMTA to arrange a visit to the BRT Green Line. It was agreed that the JV will make an initial proposal for the station design for discussion and confirmation with STMTA.	SMTA JV
19.	It was discussed that the station platforms will be equipped with screen doors for increased safety. The screen doors, however, will not be full-height as the stations are not air conditioned. SMTA emphasized to design the stations from the maintenance and safety point of view, as highlighted in the TORs.	Info.
20.	JV enquired if a separate Operations Control Center "OCC" will be provided for the BRT Yellow Line, noting that it is recommended that the OCC should make provisions for Crisis Response Team including Police, Firefighting, Civil Defense, etc. SMTA clarified that there will be one OCC for all the BRT lines, and it is currently implemented as part of the BRT Green Line project. JV asked SMTA if they can arrange for a visit to the existing OCC building.	Info. SMTA
21.	SMTA asked the JV to consider innovative pavement design along the project and suggested to undertake a detailed study the possibility of applying the Lane Strip Pavement design (or other sustainable / economical techniques) for BRT corridor and Reclaimed Asphalt Pavement technique and other techniques for mixed traffic.	JV
22.	JV enquired about the pre-selection for the bus fleet as hybrid diesel-electric buses. SMTA informed that this selection is yet to be fully confirmed as this is depending upon the progress of Bio-Gas plant implementation under Red BRT and also Electric Vehicle policy. The WB advised that the depot designs be considered for various fueling mechanism besides diesel-hybrid and to explore possibility for keeping the fuel-mechanism aspects of the depot flexible. This will need further deliberations for SMTA, WB and the Consultants to be carried out.	Info.
23.	JV enquired about the Client intention of "Full Scale" operation to be considered from the first year of implementation.	Info.

Ref.	Items discussed	For action by
	SMTA clarified that the above is related to the implementation of the full infrastructure from day one to be able to cater for the maximum design capacity; the intention is not to have phasing in the construction of the civil and infrastructure works. The JV suggested that the Client considers the construction of depots and related facilities along with the fleet procurement in stages to reduce the maintenance and operation costs. SMTA will study the consultant suggestion and do further deliberations with the consultant.	
24.	JV asked SMTA if they have specific standard specifications that should be followed in the design. SMTA responded that the design should follow recognized international standards (such as AASHTO, BS, ASTM). CSI format for specifications and methods of measurement could be used.	Info.
25.	JV enquired if SMTA would accept combining Depot 1 (Package 1) and Depot 2 (Package 2) in one construction package, given that Depot 1 is rather small and the tender documents for both packages should be ready at the same time. SMTA advised the consultant to give their opinion on the same and promised to discuss internally and revert.	SMTA
26.	JV mentioned that they have reviewed the received Standard Procurement Documents for Package 4 having the General Conditions based on FIDIC Yellow Book – Edition 2017, and they have some remarks and recommendations based on past experiences and lessons learned. JV asked on possibility of using the 1999 Edition instead. WB mentioned that it will be difficult to get approval to use the older version of the FIDIC, however that could be checked with relevant colleagues if the JV have valid and strong arguments in favor of the 1999 Edition. In the meantime, the JV should consider the 2017 version as provided in the Standard Procurement Documents. JV suggested to have a dedicated working session with SMTA and WB procurement teams to clarify any queries and obtain information needed from Client side. It was agreed that a meeting will first be held between SMTA and JV to discuss the queries prior to sharing the same with WB. A virtual/conference meeting will be arranged with the WB procurement team in the week of October 18. **Post Meeting Note**: A meeting was held on 13/10/2021 between SMTA and JV in which the queries were discussed.	Info. SMTA / WB

Minutes of meeting

Ref.	Items discussed	For action by
27.	WB highlighted that the safety of pedestrian and all road users, especially the 2-wheelers, should be taken into consideration during the design as well as accessibility design to stations.	JV
28.	JV noted that adequate and strict enforcement tools should be put in place during operation to prevent undue use of the bus lanes by ordinary vehicles, motorcycles or bicycles. In that particular case, a complementary policy towards massive implementation of bike paths is highly recommended.	Info.
29.	SMTA requested the JV to consider non-traditional design for the depot area in case the available land area is not sufficient, by having some of the facilities underground in order to maximize the use of the given plot. SMTA mentioned that such approach is already considered in Karachi in one area (near Numaish), and SMTA will arrange for a visit for the consultant team.	JV

Prepared by: Mohamed Abd Elaziz

Signature:

Issue date: October 15, 2021

dar Dar Al-Handasah Consultants (Shair and Partners) in Joint Venture NESPAK National Engineering Services Pakistan (Pvt.) Limited

P21161/A/L0006-21

24th November 2021

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority,
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Package 4 – Tender Documents Submission

Dear Sirs,

With reference to the above-mentioned project, we are pleased to include herewith, for your kind review and approval, copy of Package 4 – Tender Documents, including the following:

1. "Invitation for Proposal" letter (soft copy)
2. Volume 1 (hard and soft copies):
   - Instructions to Tenderers (ITT),
   - Tender forms / Schedules,
   - Conditions of Contract,
   - Contract forms / Schedules.
3. Volume 2 (hard and soft copies):
   - Part (A) - Employer's Requirements,
   - Part (B) – Specifications.
4. Volume 3 (hard and soft copies):
   - Basis of Pricing,
   - Pricing Schedules.
5. Volume 4 (hard and soft copies):
   - Tender Design Drawings.
6. Volume 5 (soft copy):
   - Technical Documents (For Information)

The submission consists of the following:

1. Three (3) hard copies of the Tender Documents and Drawings (A4 & A3 size), and
2. One CD including soft copy of the Tender Documents (PDF and Word Formats)

We shall remain available for any clarification you may find needed pertaining to the subject submission.

Yours faithfully

For the JV of Dar Al-Handasah (Shair & Partners) and Nespak Pvt Ltd.

Rabah Ait-Ali,
Authorized Representative

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box: 5491, Kingdom of Bahrain
T +973 17 533 582 | F +973 17 533 583 | E manama@dar.com

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED

13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.

Established Since 1973

4309/50P/RZ/01/2382

October 27, 2021

Lt.Cdr.(R) Rehan Shafiq Khan
Senior Manager (Administration)
7-B, Korangi Industrial Area,
Karachi-74900, Pakistan
Tel: +92-21- 35060843 (Ext. 2208)

Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)

- Verification / Marking of Utility Lines and Focal Person for GT Investigation (Boring)

This is with reference to the preliminary design prepared by NESPAK in 2019 for which utility information was provided by various agencies, for the subject project.

The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultant (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT Yellow Corridor Project.

It is expected that construction will begin in the first quarter of 2022 after the finalization of detail design. It is therefore requested to verify the NRL lines already marked on the main corridor of BRT Yellow corridor in 2019 (Annexure-1) and update the same, if required.

BRT Yellow Corridor also has off corridor service routes which shall be developed as part of the project. You are requested to provide the location of NRL lines for the same. Route Map attached (Annexure-2).

Geotechnical Investigations for the Main BRT Corridor and off corridor shall begin in three (3) weeks for which your good self is requested to appoint a focal person for coordination and site inspections to avoid any delays / inconvenience (Annexure – 3).

The Contact details of focal person from M/s NESPAK are as follows:

1) Mr. Mir Sadat : 021-99090684 (Cell: 0331-8384279)

Thanking you and assuring you of our best professional services at all times.

Sincerely,
For, **National Engineering Services Pakistan (Pvt.) Limited**

REHAN ZAMIN
Chief Engineer

Encl: - As Above

Copy to:
- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, Karachi
- GM/Head, NESPAK, Karachi

RECEIVED SMTA-TMTD Dairy No: Dated:

Phone : +92-21-99090000 & 99225277 - 84 (08 Lines)
Fax : +92-21-35651994, 99225366, P.O. Box: 5772
E-mail : karachi@nespak.com.pk, nespakkh@gmail.com
Website : www.nespak.com.pk

TÜV AUSTRIA

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED
13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.
Established Since 1973

4309/50P/RZ/01/2383

October 27, 2021

Mr. Zahid Meer
Managing Director,
Pakistan Refinery Ltd (PRL)
Korangi Creek, P.O.Box 4612, Karachi – 74900
Tel: (92-21) – 35122131, (92-21) - 3509-1811-16
Fax: (92-21) – 35091780, (92-21) - 35060145

Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)
- Verification / Marking of Utility Lines and Focal Person for GT Investigation (Boring)

This is with reference to the preliminary design prepared by NESPAK in 2019 for which utility information was provided by various agencies, for the subject project.

The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultant (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT Yellow Corridor Project.

It is expected that construction will begin in the first quarter of 2022 after the finalization of detail design. It is therefore requested to verify the PRL lines already marked on the main corridor of BRT Yellow corridor in 2019 (Annexure-1) and update the same, if required.

BRT Yellow Corridor also has off corridor service routes which shall be developed as part of the project. You are requested to provide the location of PRL lines for the same. Route Map attached (Annexure-2).

Geotechnical Investigations for the Main BRT Corridor and off corridor shall begin in three (3) weeks for which your good self is requested to appoint a focal person for coordination and site inspections to avoid any delays / inconvenience (Annexure – 3).

The Contact details of focal person from M/s NESPAK are as follows:

1) Mr. Mir Sadat : 021-99090684 (Cell: 0331-8384279)

Thanking you and assuring you of our best professional services at all times.

Sincerely,
For, **National Engineering Services Pakistan (Pvt.) Limited**

REHAN ZAMIN
Chief Engineer

Encl: - As Above

Copy to:
- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, Karachi
- GM/Head, NESPAK, Karachi

RECEIVED SMTA-TMTD
Diary No: 2346
Dated: 28-10-21

Phone : +92-21-99090000 & 99225277 - 84 (08 Lines)
Fax : +92-21-35651994, 99225366, P.O. Box: 5772
E-mail : karachi@nespak.com.pk, nespakkh@gmail.com
Website : www.nespak.com.pk

TÜV AUSTRIA

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED
13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.
Established Since 1973

4309/50P/RZ/01/2360 October 7, 2021

TO WHOM IT MAY CONCERN

Consultancy Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)
- Traffic Surveys

The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultants (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT Yellow Corridor Project.

NESPAK is an engineering consultancy firm operating as a State Owned Enterprise (SOE) under the Federal Ministry of Energy, Government of Pakistan.

NESPAK plans to carry out various traffic surveys (traffic counts, pedestrian and parking surveys) along the project corridor (Shahrah-e-Quaideen, Shahrah-e-Faisal, Korangi Road and 8000 Road) through M/s Think Transportation Pvt. Ltd.

In this regard, traffic counts though video cameras along with manual surveys (enumerators) are planned to be carried out starting from October 9, 2021. The duration of surveys is expected to be one (1) month.

Following key personnel will be involved in the traffic surveys:

S. No.	Name	Organization	CNIC No.	Contact No.
1	Ali Javaid	NESPAK	42101-0406888-1	0323-2054491
2	Muddasir Hussain	Think Transportation	42301-9222866-9	0335-8272384
3	Shahrukh Jameel	Think Transportation	42401-7446911-1	0343-2851396

In case of any queries, please contact the undersigned at 021-99090638 or at 0345-2113830.

Sincerely,

For, **National Engineering Services Pakistan (Pvt.) Limited**

Rehan Zamin
Chief Engineer / Project Manager

Copy to:
- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

RECEIVED SMTA-TMTD Dairy No: 2332 Dated: 08-10-2021

Phone : +92-21-99090000 & 99225277 - 84 (08 Lines)
Fax : +92-21-35651994, 99225366, P.O. Box: 5772
E-mail : karachi@nespak.com.pk, nespakkh@gmail.com
Website : www.nespak.com.pk

TÜV AUSTRIA

SSGC | Sui Southern Gas Company Limited
PLANNING & DEVELOPMENT
DISTRIBUTION SOUTH

Ref: No. SSGC/P&D-S/YL-BRT/001/21
Date: 18th November 2021

The Project Director
Karachi Mobility Project,
Yellow BRT,
SMTA, Karachi.

Coordination During Design, Construction and Supervision of KMP (Yellow BRT)

This is with reference to your letter # PD/SMTA/YLC/DDCS/2021/L459 dated 4th November 2021 regarding captioned subject.

In this regard following engineers are nominated from SSGC as a focal person for coordination:

S#	Name	Designation	Department	Contact No.
1	Mr. Akhtar Hussain Soomro	Senior Engineer	P&D-(South)	0322-8218311
2	Mr. Akbar Ali	Assistant Engineer	DSM	0306-0748845

Please note that above referred names of focal persons have already been communicated to M/s NESPAK vide email dated 29th October 2021.

This is for your information please.

Azim Khan
CE (P&D)-South

RECEIVED
SMTA-TMTD
Dairy No. 1409
Dated 18.11.21

No. MD/ SMTA/2021/L-474

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, November 11th, 2021

To,

The Survey Superintendent,
Board of Revenue,
Karachi.

SUBJECT: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit) - Marking of Alignment on Deh Maps / Survey numbers

1. The Sindh Mass Transit Authority, Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed M/s Dar-al-Handasah Consultants (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. to carry out the detailed design, procurement support and construction supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

2. The consultants have prepared a preliminary alignment of the project, which is enclosed. The centerline of the alignment is available in **"kmz"** format (Attached). It is essential that the alignment be marked on Deh Maps for better identification and coordination.

3. Therefore, your office is requested to review and verify enclosed project alignment on the relevant Deh Maps / Survey Numbers as per your record and provide the up to date land information.

4. The focal person from SMTA is Mr. Jalal Jafri, Safety, Health, Environment & Quality Specialist, (0301-021-2868)

5. Focal person from Ms. NESPAK Mr. Rehan Zamin, Chief Engineer, NESPAK (021-99090638/0345-2113830)

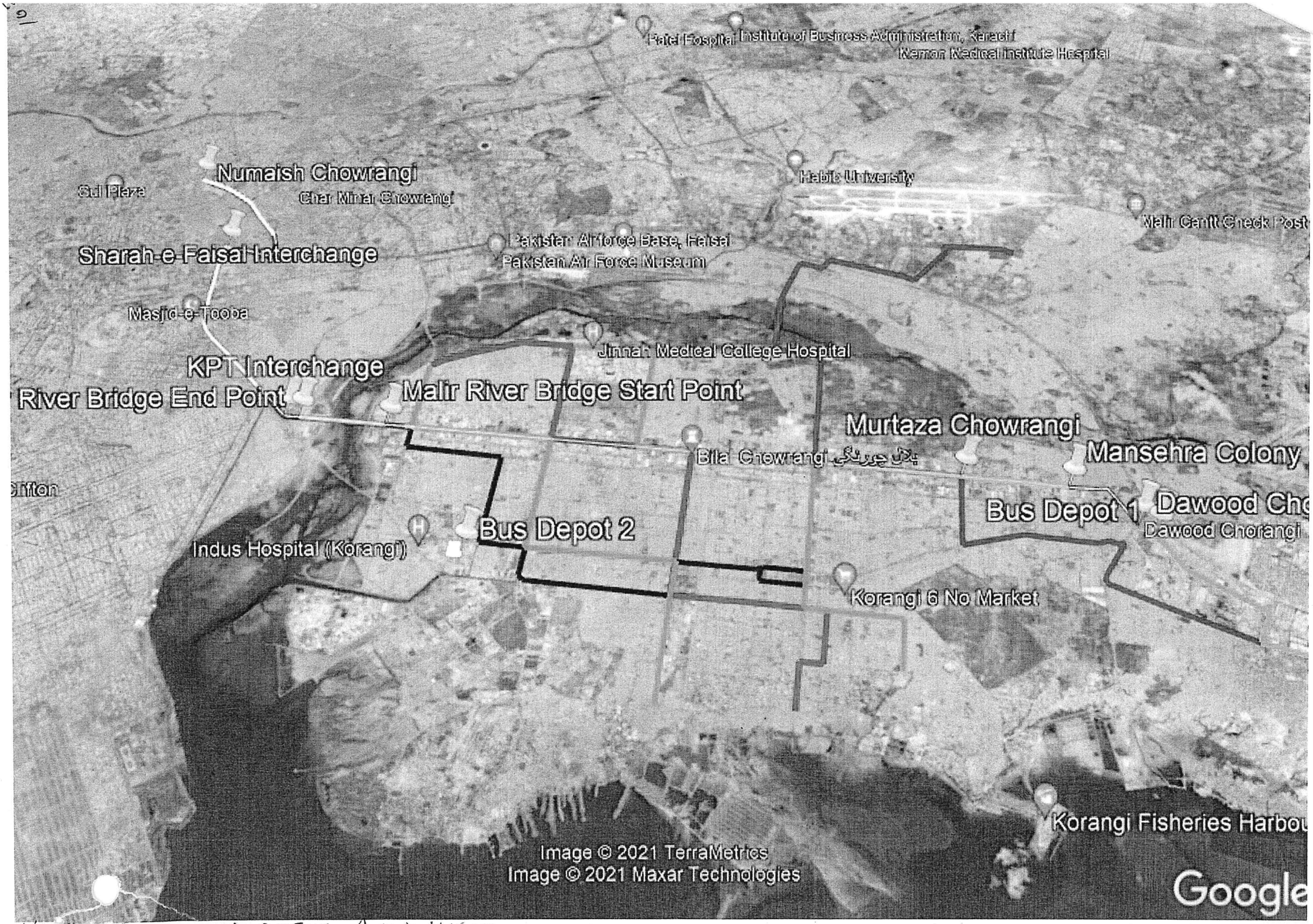
6. An early action is requested, please.

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

Encl: 1. Complete set of Yellow BRT layout drawings

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
3. PS to Secretary Transport and Mass Transit Department.
4. Master File.



NOTES: DEMARCATION OF THE ALIGNMENT:

No. MD/ SMTA/2021 L-460

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT
DEPARTMENT

Karachi, Dated: Thursday, November 4th, 2021

To,

DIVISIONAL SUPERINTENDENT
Pakistan Railways,
Karachi City Station,
Karachi.

SUBJECT: **Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)**
- Pakistan Railways Plans in the Kalapul Bridge Area.

1. The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultant (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT Yellow Corridor Project.

2. The project alignment is from Dawood Chowrangi (Landhi) till Numaish via 8000 Road, Korangi Road, Shahrah-e-Faisal and Shahrah-e-Quaideen.

3. The project scope entails rehabilitation / reconstruction of old bridges. One of the bridges along the alignment (old Kalapul Bridge – south side) is along the main Pakistan Railways line and is in a dilapidated condition and will require reconstruction.

4. The Government of Sindh (GoS) is aware that the Pakistan Railways has several projects in the pipeline such as ML-1, Freight Corridor and Karachi Circular Railway which shall use the Railways Right-of-Way (ROW) along the Kalapul Bridge.

5. In this regard, your goodself is requested to arrange the following so that the design of new Kalapul bridge (south side) may be harmonized with Pakistan Railways' plans:

a. The alignment, type and cross section of the existing and proposal rail lines at the Kalapul bridge area,
b. The minimum vertical and horizontal clearance for each rail line, and
c. Any set back required from their existing/proposed rail lines to the existing/proposed bridge foundation.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207

6. You may direct any queries to the Mr. Jalal Jafri, SHEQ Specialist, Karachi Mobility Project (Yellow BRT) or to Mr. Rehan Zamin, Chief Engineer, NESPAK (021-99090638 / 0345-2113830).

7. We hope to have close coordination with your office during the project implementation, in the best public interest.

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED
13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.
Established Since 1973

4309/50P/RZ/01/2370

October 18, 2021

Mr. Adil Aziz Khan
General Manager (Pipeline)
Korangi Creek Road, P.O Box 12243
Karachi – 75190,
Tel: +92-21-35090100-125
Fax: +92-21-35090625, 35090929

Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)
- Verification / Marking of Utility Lines and Focal Person for GT Investigations (Boring)

This is with reference to the preliminary design prepared by NESPAK in 2019 for which utility information was provided by various agencies, for the subject project.

The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultant (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT Yellow Corridor Project.

It is expected that construction will begin in the first quarter of 2022 after the finalization of detail design. It is therefore requested to verify the PARCO lines already marked on the main corridor of BRT Yellow corridor in 2019 (**Annexure-1**) and update the same, if required.

BRT Yellow Corridor also has off corridor service routes which shall be developed as part of the project. You are requested to provide the location of PARCO lines for the same. The Route Map is attached (**Annexure-2**).

Geotechnical Investigations for the Main BRT Corridor and off corridor (**Annexure-3**) shall begin in three (3) weeks for which your good self is requested to appoint a focal person for coordination and site inspections to avoid any delays / inconvenience.

Thanking you and assuring you of our best professional services at all times

Sincerely,
For, **National Engineering Services Pakistan (Pvt.) Limited**

REHAN ZAMIN
Chief Engineer

Encl: - As Above

Copy to:
- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, Karachi
- GM/Head, NESPAK, Karachi

Phone : +92-21-99090000 & 99225277 - 84 (08 Lines)
Fax : +92-21-35651994, 99225366, P.O. Box: 5772
E-mail : karachi@nespak.com.pk, nespakkh@gmail.com
Website : www.nespak.com.pk

TÜV AUSTRIA

NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED

13th Floor, NICL Building, Abbasi Shaheed Road, Off Shahrah-e-Faisal, Karachi - 74400, Pakistan.

NESPAK Established Since 1973

9a

4309/50P/RZ/01/2368

October 15, 2021

Engr. Azim Khan
Chief Engineer (P&D) South
Distribution Karachi.
Sui Southern Gas Co. Ltd.
Azad Trade Centre, Hasan Square

Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)
- Verification / Marking of Utility Lines and Focal Person for GT Investigations

Dear sir,

This is with reference to the preliminary design prepared by NESPAK in 2019 for which utility information was provided by various agencies, for the subject project.

The Sindh Mass Transit Authority (SMTA), Transport & Mass Transit Department (T&MTD), Government of Sindh has appointed the Joint Venture of M/s Dar Al Handasah Consultants (Shair & Partners) and M/s National Engineering Services Pakistan (Pvt.) Ltd. (NESPAK) to carry out the detailed design and construction supervision of the BRT-Yellow Corridor Project.

22/10/2021

It is expected that construction will begin in the first quarter of 2022 after the finalization of detail design. It is therefore requested to verify the SSGC utility lines already marked on the main corridor of BRT Yellow corridor in 2019 (**Annexure-1**) and update the same, if required.

Dir(Infra)

BRT Yellow Corridor also has off corridor service routes which shall be developed as part of the project. You are requested to provide the location of SSGC utility lines for the same. Route Map attached (**Annexure-2**).

Geotechnical investigations for the Main BRT Corridor and off corridor shall begin in three (3) weeks for which your goodself is requested to appoint a focal person for coordination and site inspections to avoid any delays / inconvenience (**Annexure-3**).

Thanking you and assuring you of our best professional services at all times

Sincerely,
For, **National Engineering Services Pakistan (Pvt.) Limited**

REHAN ZAMIN
Chief Engineer / Project Manager

Encl.: As Above.

Copy to:

- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi
- GM/Head, NESPAK, Karachi

RECEIVED
SMTA-TMTD
Dairy No: 3351
Dated: 21-10-2021

Phone : +92-21-99090000 & 99225277 - 84 (08 Lines)
Fax : +92-21-35651994, 99225366, P.O. Box: 5772
E-mail : karachi@nespak.com.pk, nespakkh@gmail.com
Website : www.nespak.com.pk

TÜV AUSTRIA

No. MD/ SMTA/2021

GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

Karachi, Dated: Thursday, October 14, 2021

To,

Senior Director
New 2
Karachi

Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit)

- Testing of Jam Sadiq Bridge

Dear Sir,

The Sindh Mass Transit Authority (SMTA), Government of Sindh has appointed a Joint Venture led by M/s Dar-al-Handasah (Lead Partner) along with M/s National Engineering Services Pakistan (Pvt.) Ltd. to carry out the Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

Jam Sadiq Bridge is a vital infrastructure which connects the Korangi / Landhi areas with the rest of the city. The existing Jam Sadiq Bridge is in a dilapidated condition and requires rehabilitation. Our consultants are planning to carry out testing of Jam Sadiq bridge. The results of field tests will determine the extent of rehabilitation required for the bridge.

Dar-al-Handasah's bridge rehabilitation expert Dr. Mohamed Abdelgawad Zaki Elsisi (Egyptian National bearing Passport no. A26705420 (copy attached for reference) will be carrying out the testing along with experts of NESPAK and their sub-contractor M/s F&M Engineering for the next few weeks.

You are requested to accord approval to carry out testing of the bridge at the earliest.

It is also requested to nominate a Focal Person(s) from your office and provide details for close coordination

Focal Person from M/s NESPAK is Mr. Rehan Zamin - Project Manager – Yellow BRT (Rehanzamin@gmail.com) (Cell No: 0345-2113830)

The Focal Person from SMTA is Mr. Yousuf Munir - Director Infrastructure (director.infra.smta@gmail.com) (Cell No: 0321-8773979)

MANAGING DIRECTOR
SINDH MASS TRANSIT AUTHORITY

A copy is forwarded for information to:

1. Project Director (KMP Yellow – BRT)
2. Director Infrastructure/Projects, SMTA, Karachi
3. Rehan Zamin, Chief Engineer NESPAK (Project Manager, Yellow BRT)
4. PS to Secretary Transport and Mass Transit Department.
5. Master File.

House # D-43 & D-43/1, Shahra-e-Ghalib, Block 2, Clifton, near Bilawal Chowrangi, Karachi, 75600 Tel: 021-99332207-8

Dar Al-Handasah Consultants
(Shair and Partners)

in Joint Venture

National Engineering Services
Pakistan (Pvt.) Limited

P21161/A/L0004-21
11th November 2021

Mian Sarmad Saeed Shah
Deputy Manager (Public Affairs & Government Relations)
CEO Secretariat
K-Electric Limited
F-Block, Elander Road Complex Near Shaheen Complex
Karachi

Project: Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow BRT)

Subject: Meeting with K-Electric

Dear sir,

This is with reference to the online meeting held with your team on 28th October 2021, regarding the subject project. Enclosed please find the minutes of meeting approved by your goodself, for future reference and record.

It is requested that another detailed technical meeting for issues referred at Point no. 3 of the minutes of meeting to be held between KE and DAR/NESPAK to optimize the final design based on KE's requirements.

Yours faithfully
For the JV of Dar Al-Handasah (Shair & Partners) and NESPAK Pvt. Ltd.

Bahjat Ghandour
Team Leader Design

Encl.: As Above.

Copy to:

- Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi
- Director Infrastructure, SMTA, GoS, Karachi

Manama "Wind Tower", Office 81, Building 403, Road 1705, Manama 317, P.O. Box: 5491, Kingdom of Bahrain
T +973 17 533 582 | F +973 17 533 583 | E manama@dar.com
C.R. No.: 9200-1 | B.S.C. Closed (Capital US$: 27,000,000)

JV Address 1-C, Block-N, Model Town Extension,
Lahore 54700, Pakistan

Minutes of meeting

Karachi Mobility Project

Subject:	**Yellow Bus Rapid Transit: Utility Coordination Meeting with K-Electric (Microsoft Teams Meeting)**		
Location:	Karachi	**Date:**	28 Oct 2021
Present:	**Mian Sarmad Saeed Shah (KE)** **Lt Col (R) Manzoor Hasan Khan (KE)** **Asif Iqbal, Muhammad (KE)** **Shahid Arain (KE)** **Altaf Ali S.Sheikh (KE)** **Adnan Ahmed Shaikh (KE)** **Umair Seehar (KE)** **Syed Muneeb Ahmed Zaidi (KE)** **Zuhaib Anwer, Muhammad (KE)** **Haris Jamil Siddiqui (KE)**	**Tufail Hussain Mirbehar (KE)** **Alam Sher (KE)** **Rizwan Ayub Khan (KE)** **Ahmed Hassan (KE)** **Munir Ahmed Shaikh (KE)** **Habibuddin Khan (KE)** **Umair Seehar (KE)** **Rehan Zamin (NESPAK)** **Mir Sadat (NESPAK)** **Ali Javaid (NESPAK)**	
Copies to:	**Project Director, KMP (Yellow BRT), SMTA, GoS, Karachi** **Director Infrastructure, SMTA, Karachi**		

Ref.	Items discussed	For action by
Yellow Line BRT – Coordination	1. Mr. Rehan Zamin briefed K-Electric team regarding the project background of BRT Yellow Line. He highlighted that various site surveys were performed during the preliminary design stage of the project in 2016 and 2019 and accordingly KE team marked their lines on the drawing.	Info.
	2. Mr. Rehan Zamin mentioned that 132KV overhead line is located in the center median of 8000 Road, and during the Preliminary Design, the BRT lanes were planned at the existing road/median edge in such a way that the existing curb would remain undisturbed. He also mentioned that another underground line of 132KV is located from NMC to CSD.	Info.
	3. Issues Highlighted by K-Electric Team were: i) Provision of access for maintenance vehicle in central Median at 8000 Road ii) Relocation of Crossing near the Underpass Locations iii) Safety offset of 8.2 from the center of the pylon to be considered in the design	DAR & NESPAK
	4. K-Electric Team to verify and update the KE lines marked on the drawing during the preliminary design in 2019.	Sarmad Saeed (K-Electric)
	5. Joint Visits shall be arranged to discuss and finalize the relocation after updating K-Electric Network on the drawings.	Sarmad Saeed (K-Electric) Mir Sadat (NESPAK)

Prepared by: Rehan Zamin Signature:

Issue date: November 11, 2021

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LETTER OF REQUEST

DATE: 29/07/2021

Project: *Consulting Services For Preparation Of Detailed Design, Procurement Support And Construction Supervision For Karachi Mobility Project (Yellow Bus Rapid Transit)*
RFP No: PK-SMTA-122605-CS-QCBS
Loan No. /Credit No. /Grant No.: IBRD-89950

Subject: Request for re-evaluation of proposal and debriefing.

To: Sindh Mass Transit Authority (SMTA)
project Director
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme nº.5; Kehkashan, Clifton, Karachi Pakistan

Dear Sir,

The Firm Técnica y Proyectos S.A. (TYPSA) in association with MMP Pakistan Private Limited (MMP), humbly submitted their Proposal to the Tender for your Prestigious Project: *Consulting Services For Preparation Of Detailed Design, Procurement Support And Construction Supervision For Karachi Mobility Project (Yellow Bus Rapid Transit).*

With reference to the Notification of Intention to Award transmitted on July 23, 2021 we wish to request:

1) A re-evaluation of our proposal with consideration to our comments exposed below, and
2) A debriefing to the evaluation of our Proposal.

1. CONSIDERATIONS FOR RE-EVALUATION OF TECHNCIAL PROPOSAL

The Technical Proposal has three categories for evaluation: Specific Experience, Methodology, and Key Staff.

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1.1. SPECIFIC EXPERIENCE

The references of experience presented by TYPSA in association with MMP fully comply all the requirements specified in the Terms of Reference (TOR). For ease of reference, we have compiled the TOR requirements and the references of compliance in Attachment 1.

We wish to highlight in addition that we are the only one having designed two 3rd generation BRT Projects and undertaking construction supervision of one duly commissioned and functional amidst all the inherent challenges of brown field project of any large city.

It is worth mentioning that further to the international BRT experience, TYPSA has also extensive experience and has excelled in Metro and Light Rail projects globally. Honorable mentions are Doha Metro (Qatar), Riyadh Metro (KSA), Lima Metro (Perú), Abu Dhabi LRT (UAE), Dhaka Metro (Bangladesh), Madrid, Barcelona, Malaga and Bilbao Metro (Spain). Metro and Light Rail projects which are not only inclusive of engineering elements that comprise BRT Projects it has much more added complexities and difficulties. This experience supports the capacity, robustness, and expertise that TYPSA can provide to this Project.

This blend of engineering (overwhelmingly based on BIM in which TYPSA stands out in Europe) and experience of all aspects of local conditions puts this JV well poised to undertake and deliver best quality works within time and cost as envisaged.

1.2. METHODOLOGY

Design Methodology:

The Methodology regarding the Design process was a document fulfilling the ToR requirements in content and extension, methodology based in previous BRT projects carried out by TYPSA, and focus in:

- Deliverables to submit: Inception Report, Interim Report, and Detailed Design.
- Disciplines needed to perform the services.
- Project with BIM methodology (bearing in mind TYPSA's great capabilities in BIM in the infrastructure sector, including several international awards in this regard).
- Time and cost as per the ToR.
- Local skills, knowledge, and flavor needed for this challenging project, provided by MMP.

TYPSA-MMP has proposed the development of the design of the project with Building Information Modeling (BIM) in accordance with the requirements of the TOR. TYPSA holds extensive experience developing transport related projects in BIM such as the Astana BRT

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or the metro projects of Riyadh and Doha. TYPSA is one of the first engineering companies in the world to achieve the ISO 19650 BIM certification.

The abovementioned high standard methodology deserved a higher score than the one provided by the Client in this bidding, notwithstanding that we are not aware of the split of score neither for TYPSA&MMP nor for the other tenderers' proposals.

Supervision Methodology:

While the methodology for construction supervision fulfills all the ToR requirements, the consultant would like to highlight the following additional aspects which ought to be duly recognized as included in the technical proposal:

- Being the only consultant to have designed in Pakistan two 3rd generation BRT Projects and having undertaken construction supervision of one of these which is duly commissioned and functional.
- Having extensive experience of coordination with Government and Utilities Companies of all utilities and services, which is a challenging requisite for efficient and fast track deliveries particularly on a brownfield city project in Pakistan.
- Has experience in preparing utility relocation plans with minimum disturbance in construction activities.
- Has experience in preparing comprehensive Traffic Management plans in accordance with the best practice of an urban dynamic city to address its inherent issues.
- Possess extensive experience of Environmental Management System of the large city encompassing all various aspects as deemed to be inclusive in it.

Many of the above mentioned aspects are beyond the TOR requirements but are however part of the capacity and SOP of TYPSA-MMP and provide added value to the project and to the Client. We feel this has not been fully translated in the evaluation and that TYPSA-MMP proposal deserves a higher scoring in this section.

1.3. KEY STAFF

The Key Staff proposed by TYPSA-MMP fully complies with all the requirements specified in the TOR. For ease of reference, we have compiled the TOR requirements and the references of compliance in Attachment 2.

1.4. FINAL CONSIDERATION

The exposed above demonstrates not only full compliance with the TOR but also the exceptional capacities of the Consultant. We believe the score should reach closer to the

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maximum points at each category, if not the maximum where the requirements a fully complied. Therefore, we humbly request your consideration to re-evaluate our Proposal.

2. DEBRIEFING OF THE EVALUATION OF THE PROPOSAL

In accordance with the procurement procedures, we request a debriefing in relation to the evaluation of our proposal during the Standstill Period.

Should SMTA assess there is merit in the above arguments for a re-evaluation of our Proposal we request that the debriefing is done in relation to the re-evaluation.

In the meantime, we remain very truly Yours,

Ignacio Pardo Roquero
Manging Director for TYPSA in Pakistan..
GrupoTYPSA

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TYPSA
C/Gomera 9
Telf 912

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Attachment 1

Compiance with specific Expereince Requirements

DESCRIPTION CRITERIA	REF. Nº		POINTS/ SCORING	OUR SCORE
PHASE I				
Project experience references in preparing **detailed design** and providing procurement support **in Bus Rapid Transit (BRT) projects in Asia**	Ref. Nº1,	NEW TRANSPORT SYSTEM OF ASTANA. BUS RAPID TRANSIT. PHASE I._1470		
	Ref. Nº2,	TRANSPORT MODEL AND TRANSPORT MASTER PLAN OF ASTANA CITY_1365		
	Ref. Nº6,	MULTIMODAL URBAN TRANSPORT MASTER PLAN OF THE CITY OF GAZIANTEP AND ITS METROPOLITAN AREA (TURKEY)_3590		
	Ref. Nº8,	Detailed Engineering Design and Procurement Karachi Bus Rapid Transit (BRT) Redline Project - MMP		
	Ref. Nº9	Peshawar Sustainable Bus Rapid Transit Corridor Project – Project Design Advance Detailed Engineering Design, Procurement - MMP		
Project experience references in preparing **detailed design** and providing procurement support in **Bus Rapid Transit (BRT)** projects in **Pakistan**	Ref. Nº8,	Detailed Engineering Design and Procurement Karachi Bus Rapid Transit (BRT) Redline Project - MMP	10	**7.78**
	Ref. Nº9	Peshawar Sustainable Bus Rapid Transit Corridor Project – Project Design Advance Detailed Engineering Design, Procurement - MMP		
Project experience references in preparing **detailed design** and providing procurement support in **Bus Rapid Transit (BRT) projects worldwide**	Ref. Nº3,	ENGINEERING DESIGN STUDIES FOR THE METRO FIRST LINE OF QUITO; Including 3 BRT Lines_3039		
	Ref. Nº4,	TRANSPORT PLANNING STUDY AND DETAILED DESIGN OF ABU DHABI URBAN TRANSPORT NETWORK_3091		
	Ref. Nº5,	Feasibility and project development study for the tirana brt system_6744		

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DESCRIPTION CRITERIA	REF. Nº		POINTS/ SCORING	OUR SCORE
	Ref. Nº7	Detailed design for the BUS RAPID TRANSIT (BRT) BLANES – LLORET_1227		
PHASE II				
Project experience references in providing **construction supervision services in Bus Rapid Transit (BRT) projects in Pakistan**	Ref. Nº10	Assignment Name: Project Management and Construction Supervision Consultant (PMCSC) for Peshawar Sustainable Bus Rapid Transit Corridor Project – MMP		
Project experience references in preparing **detailed design management and construction** and providing procurement support in in **Transport projects in Pakistan**	Ref. Nº11	DESIGN AND WORKS SUPERVISION OF THE LOWARI RAILWAY TUNNEL AND ACCESS ROADS.		
	Ref. Nº12	DETAILED DESIGN & CONSTRUCTION SUPERVISION OF LAHORE-SHIEKHUPURA-FAISALABAD DUAL CARRIAGEWAY (BOT) PROJECT PHASE I, II AND III - MMP		
	Ref. Nº1	TA 8990 PAK-ENABLING ECONOMIC CORRIDORS THROUGH SUSTAINABLE TRANSPORT SECTOR DEVELOPMENT, PAKISTAN - 001 TRANSPORT POLICY AND MANAGEMENT FIRM (49063-001) - MMP	10	6.89
	Ref. Nº14	DETAILED DESIGN REVIEW AND CONSTRUCTION SUPERVISION OF IMPROVEMENT AND WIDENING OF CHAKDARA – MINGORA –FATEHPUR SECTION OF NATIONAL HIGHWAY N-95 (82 KM) - MMP		
	Ref. Nº15	TRAFFIC IMPROVEMENT AT MARRIR CHOWK THROUGH ADDITION OF TWO LANES ON EITHER SIDE OF MURREE ROAD UNDER RAILWAY BRIDGE, RAWALPINDI - MMP		
	Ref. Nº16	PROJECT MANAGEMENT CONSULTANCY SERVICES FOR BALANCE WORK OF "ISLAMABAD INTERNATIONAL AIRPORT PROJECT" - MMP		
	Ref. Nº17	FEASIBILITY STUDY OF RESETTLEMENT SITE FOR THE REVIVAL OF KARACHI		

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DESCRIPTION CRITERIA	REF. Nº		POINTS/ SCORING	OUR SCORE
		CIRCULAR RAILWAY PROJECT - MMP		
	Ref. Nº18	FEASIBILITY STUDY AND TRANSACTION ADVISORY SERVICES - HYDERABAD-BADIN ROAD - MMP		
	Ref. Nº19	FEASIBILITY STUDY FOR CONSTRUCTION OF TWO LANE HIGHWAY FROM HYDERABAD – KHOKHRAPAR - MMP		
	Ref. nº20	TECHNICAL REVIEW OF DEVELOPER'S BID ON DUALIZATION OF HYDERABAD-MIRPURKHAS ROAD - MMP		

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Attachement 2

Compliance with Key Staff Requirements

We have complied below the requirements and the specific compliance for these requirements for the following required positions:

1. Senior Urban Road and Bus Rapid Transit System Expert- Team Leader
2. Senior Bus Rapid Transit System Design Expert
3. Senior Procurement Specialist
4. Chief Resident Engineer (CRE) / Team Leader Construction
5. Senior Contract Management Specialist
6. Resident Engineers_2 MMP
7. Senior Pavement Engineer
8. Senior Structural Engineer

1. *K01 - Senior Urban Road and Bus Rapid Transit System Expert- Team Leader – AIZAZ AHMED*

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
Shall be a qualified Civil Engineer, preferably with master's degree in civil engineering or relevant subject (internationally recognized professional qualification).	MSc Civil Engineering (1998). Polytechnical University of Catalonia (UPC). DRAGADOS Awards candidate with the final degree project (1998).
Ability to clearly communicate in English language (listening, speaking and writing)	Excellent Knowledge.
Ability to lead team-work during the projects, inter-personal, inter-cultural and strong communication skills to ensure effective stakeholder management throughout the project.	Professional Experience in different countries and different projects as shows in CV bellow
Professional Experience:	
(a) Minimum 20 Years of relevant Professional experience since graduation	With over 20 years of general experience in civil engineering, Mr. Silvestre has specialized in project design, construction supervision and project management services. Mostly related with roads, urban development, and infrastructures, etc.
(b) at least 15 (fifteen) years as a team leader or equivalent capacity on civil engineering projects preferably infrastructure development and has led the team of international and national experts	• Since 2013: Global Head of Roads, Director Management of TYPSA projects as: o C70 Engineering Peer Review (USA) o Nokian Tyres Technologic Centre (Spain): o Routes 2 y 7 (Paraguay): o Fourth Bridge over the Panama Canal (Panamá): o A-4 Public Transportation Accessibility (Spain). o Eastern Roads (Dominica) o Bus Connect – Corridors. Dublin (Ireland) o N22 Macroom Bypass (Ireland)

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2. *K02 - Senior Bus Rapid Transit System Design Expert – ROSA MILENA SUAREZ:*

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
Shall be a qualified Civil Engineer, preferably with master's degree in civil engineering or relevant subject (internationally recognized professional qualification).	• Master of Engineering (Transportation) 1990_ City College of City University of New York • Bachelor of Engineering (Civil engineering), 1986_ NED University of Engineering & Technology_Karachi, Pakistan • LLB (Bachelor of Law), 2016_ S.M. Law College, Karachi, Pakistan
Ability to clearly communicate in English language (listening, speaking and writing)	Excellent Knowledge.
Ability to lead team-work during the projects, inter-personal, inter-cultural and strong communication skills to ensure effective stakeholder management throughout the project.	Professional Experience in different countries and different projects
Professional Experience:	
(c) Minimum 20 Years of relevant Professional experience since graduation in infrastructure projects.	**47 years** Since 1973
(d) 12 years as a Team Leader or equivalent capacity on urban road/transit and infrastructure design and construction projects of similar nature, scale and complexity to this project.	• 20 Years experience in urban road/transit and infrastructure design and construction projects
(e) extensive experience in design, construction and supervision of urban road/transit projects, contract and project management.	• Makkah Public Transportation Program • Canal Area Transportation Study, New York City • New York State Bus Safety Inspection program (NYC Region) • 14 years with New York State DOT as Senior Civil Engineer/Project Manager on several Urban Road projects including West side highway Rehabilation project in New york City • Islamabad airport BRT • Planning and design of Bus Rapid Transit in New York City • Islamabad airport BRT • DOHA BRT Salwa Road, Doha, Qatar • MAKKAH BRT
(f) Experience in similar role on long-term basis on at least three (3) previous successfully similar assignments where the value of the works designed / executed was at least USD fifty (50) million for each assignment.	1. Makkah Public Transportation Program. 65B SAR. 60 KM BRT 2. Air Train JFK, New York City, USA. 1,9 B USD 3. New York State Bus Safety Inspection program (NYC Region) 4. West side Highway rehabilatation, New York City
(g) Experience of working for at least five (5) years in countries with similar conditions.	Pakistan Middle East and America. Please, refer to CV bellow

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3. K05 - Senior Procurement Specialist – JOSE CUAN

REQUIRED AS PER RFP	ACTUAL
I. Educational Qualification:	
(h) Civil Engineer, preferably with master's degree in civil engineering or construction management or relevant subject (professional qualification recognized internationally).	M.Sc. in Civil Engineering (specialized in Project Management), Mapua Institute of Technology, Philippines, Oct. 2001 B.Sc. in Civil Engineering, University of Manila, Philippines, Mar. 1988
(i) Experience and knowledge of working with World Bank procurement regulations will be preferred.	Full experience in project by WB and ADB
(j) Ability to clearly communicate in English language (listening, speaking and writing)	Excellent level
(k) Experience of working for at least 5 (five) years in countries with similar conditions	Pakistan, Philipines, East Timor, Afghanistan,
II. Professional Experience:	
(l) Minimum fifteen (15) years of professional experience in procurement of works and services	Over 20 years
(m) twelve (12) years in urban infrastructure construction projects	Over 15 years
(n) (02) projects procured on a Design and Build (D&B) basis.	Project Management Consultancy for the Detail Design, Procurement and Construction Supervision of Peshawar Sustainable Bus Rapid Transit (BRT) System Design, Procurement and Construction Management Services for the Infrastructure Fund ProgramApr. 2012 ~ Jan. 2017 (58 months). East Timor Detailed Engineering Design, Procurement and Construction Management Services of Bus Rapid Transit (BRT) Systems Sep. 2008 ~ Mar. 2009 (7 months). Hanoi, Vietnam
(o)	

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4. *K06 - Chief Resident Engineer (CRE) / Team Leader Construction – MIGUEL MENEGUZZI*

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
Shall be a qualified Civil Engineer, preferably with master's degree in civil engineering or relevant subject (internationally recognized professional qualification).	• M.Sc. Civil Engineering (1986) National University of Cordoba (Argentina)
Ability to clearly communicate in English language (listening, speaking and writing)	Excellent Knowledge.
Experience of working in countries with similar conditions	Honduras, Chile, Paraguay, Peru,
Professional Experience:	
(p) At-least eighteen (18) years of professional experience in design and construction supervision of infrastructure projects	Mr Meneguzzi, has specialized, during his 25 years of professional experience, in Project Management and Construction Engineering, monitoring and controlling linear infrastructure, with large volumes of earthworks, structures (viaducts) and tunnels. His experience also encompasses designing linear infrastructure, hydrology reports; road operation and maintenance, managing road maintenance and road safety. His international experience encompasses his first fifteen years of professional work in his country of origin (Argentina), where he worked both in the public and private sectors as an independent consultant as well as on several teams for various engineering companies. *Please refer to CV attached for more info.*
(q) at-least fifteen (15) years in the capacity of senior resident engineer leading the teams of construction supervision staff on infrastructure projects of similar nature, scale and complexity	**Over 25 years:** • **Since 2002 (18 Years)** as Chief Site Engineer / Work Supervision Engineer in large infrastructure projects for TYPSA. Among other projects: o Design and Construction of the BTR Trunk System - Main Corridor Sections 2 and 3. Asunción (Paraguay). 2018 o Modernization Project of the Port Solid Gráneles Terminal Cortes (Honduras) 2013-2016 o Construction of Area 1 of the Public Works

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	Concession Contract for the maintenance and operation of Autovía A-2 from km 5.9 to km 62.0. Section: Madrid - R-2 . 2010-2013. o Construction of Highway A-21 Section Jaca - Santa Cilia (Huesca, Spain) . 2010 o Development of U.Z.P. 2.01 "El Cañaveral". Madrid (Spain) 2008-2010 • From1986 to 1999 (10 Years) o Technical assistance for setting up the Road Safety Area in the Cordoba Province (1998/99) (1 Years) o Project: Paving of R.P. number 2, Section Alto Alegre-Cintra (Argentina). (1998/99) (1 Years) o Chief Site Engineer for Projects Managed by the Regional Directorate of Highways, Córdoba (Argentina). (1994-1997: 3 Years) o Supervision of the improvement works on the Cordoba province road network. Argentina, by the Regional Directorate of Highways. (1986-1991: 5 years). (*For details refer to several projects in the CV attached.)*
(r) Experience and knowledge of working with World Bank procurement regulations will be preferred.	He has managed and administered Contracts in different countries with different clients as WB, both in the field of public and private, including FIDIC contracts.

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5. K08 - Senior Contract Management Specialist – PETER ELLIOT

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
Shall be a qualified Civil Engineer, preferably with master's degree in civil engineering or relevant subject (internationally recognized professional qualification).	Certified Diploma in Accountancy & Finance (C. Dp. A.F.), BSc. (Hons) in Civil Engineering
Ability to clearly communicate in English language (listening, speaking and writing)	Mother tongue
Experience of working in countries with similar conditions	Pakistan, Bangladesh, Zambia, Uganda, Romania, Turkey, India,....
Professional Experience:	
(s) At-least fifteen (15) years of professional experience	51 years
(t) at-least ten (10) years in urban infrastructure construction projects of similar scale and complexity	**Over 30 Years** Please refer to CV attached

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6. K07.1 & K07.2 - Resident Engineer 1 & 2 – GHULAM HAIDER & ARSHAR JAWAID A. KHAN

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
Shall be a qualified Civil Engineer, preferably with master's degree in civil engineering or relevant subject (internationally recognized professional qualification).	BSc. (Civil) from University of Engineering & Technology Lahore in 1985
Ability to clearly communicate in English language (listening, speaking and writing)	Excellent Knowledge.
Ability to clearly communicate in Urdu language (listening, speaking and writing)	Excellent Knowledge.
Professional Experience:	
(u) Minimum 15 Years of relevant Professional experience since graduation in infrastructure projects.	**35 Years**
(v) Ten (10) years of extensive experience as a resident engineer or equivalent capacity on urban infrastructure construction projects on projects of similar nature, scale and complexity	• Please, describe total years and a summarize of several projects in this respect • SRE - Mayasem Development, Infrastructure Works, buildings, schools & lagoon, Jeddah (KSA) (6 years) • SRE - Infrastructure Development & Utility Works for Saadiyat Investment & Tourism Corporation, Abu Dhabi (1 year) • SRE - Al Markaz – Infrastructure Development Phase-I at Abu Dhabi (2 years) • SRE – Construction of 13 bridges, Duct Bank Crossings (utilities) & Canal works at Abu Dhabi (3 years) • SRE – Burj (Dubai) Khalifa development, roads, infrastructure work, lake & fountain Dubai (2 years) • RE – Sukkur Bypass Road Project (3 years)
(w) Experience of working for at least 5 (five) years in countries with similar conditions	Saudi Arabia (6 years); UAE (13 years)

TYPSA
CONSULTING
ENGINEERS
& ARCHITECTS

TYPSA (Técnica y Proyectos, S.A.)
C/ Balbino Marrón s/n,
Edificio Viapol
Portal A, piso 1º, módulo 5
41018 Seville (Spain)
Tel: (+34) 95 492 53 25 # 4034
Fax: (+34) 95 464 03 59
E mail: cserna@typsa.es

7. K04 - SR. Pavement Eng. – IGNACIO ORTOLANO

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
(x) Civil Engineer, preferably with master's degree in civil/structural engineering or relevant subject (professional qualification recognized internationally).	• M.Sc. in Civil Engineering. Madrid Polytechnic University (1993) • Distance learning course "Road Maintenance" distance, given by the Construction Education Foundation. 1998. • Conference on "Mobility in medium cities: current status and future proposals." Burriana, February 2003 • Course in cement applications in subgrade and pavements. Polytechnic University of Valencia. February and March 2004 • 4th Tunnels Symposium, A.T.C., Andorra. October 2005 • Conference on "fragmentation of habitats affected by transport infrastructures", Valencia, November 2008 • Conference on "management of noise in linear transport infrastructure. Correction elements: acoustic barriers", Madrid, June 2008 • 20th Vyodeal: National Symposium of Local Government Roads, Pontevedra, June 2009 (submission of free communication) • Conference on "considerations on the standard technique for protecting motorcyclists, in Valencian Community, Valencia, May 2010 • 5th Road tunnels Symposium: tunnels security on 21st century, Bilbao, February 2010 • 4th International Symposium on highway geometric design, Valencia, June 2010
(y) Ability to clearly communicate in English language (listening, speaking and writing)	Very good knowledge. Experience in long – term abroad projects.
(z) Experience of working for at least 5 (five) years in countries with similar conditions.	Working experience in Peru, Brazil, Qatar, Kazakhstan and Europe.
Professional Experience:	
(aa) At least 15 (fifteen) years of professional experience	**27 years**
(bb) Twelve (12) years in geometric design of urban road and BRT projects of similar nature, scale and complexity.	**21 years as: Director of Roads and Urban Projects in TYPSA involved in different projects as:** • Project Design of Line 10 of Metro in Valencia (Spain) • Definitive Engineering Study: Set of Connectivity Solutions and Increase of Road Capacity Concession Américo Vespucio Nor - Poniente Av. El Salto - Route 78 • Project of Lima's Metro in Peru. Phase 2 of Line 2 and Phase 1 of Line 4 • **New Transport System of the city of Astana (Kazakhstan). Bus Rapid Transit System. Phase 1.** • New Orbital Highway and Truck Route. Contract 2: orbital highway: Salwa road to North Relief road • New Orbital Highway and Truck Route. Contract 1: new Doha Port to orbital highway. • **Expressway Yellow Line. Lima. Peru**

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Fax: (+34) 95 464 03 59
E mail: cserna@typsa.es

	• Detail design. Access to "Fuente de San Luis" housing complex from the V-30 highway. Valencia. Spain. • Detail Design. New bridge over Turia river. (Pont de Fusta). Valencia.
(cc) Experience and knowledge of innovative practices in pavement designs will be an added advantage.	He has an extensive knowledge of CAD (AutoCAD) and road geometric design TRAZADO 3 software (in-house software). He also a wide knowledge of Spreadsheets (MSExcel), Text editing (MSWord), Project Management (MSProject) and other office automation programs like measurements and budgets programs. Another engineering software: hec-ras, road pavement design. • Detail Design. Port Chirrichana beltway, N-330. Section :P.K. 141.200 al 150.400. Valencia. • Detail Design. Elche south beltway. Section: CV-851 road to Carrús Road. • Detail Design. New bridge over Turia river. (Pont de Fusta). Valencia. • etail Design. N-332 road, Altea Beltway. Alicante. Spain. • Contractor project design. Public Works Concessions Sector 2 in the province of Zaragoza. Network Aragon Road • Detail Design update. Benissa Beltway, new south access to Gandia harbor, Elche Beltway and duplication of N-332 road, section Gandia-Xeresa.

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CONSULTING
ENGINEERS
& ARCHITECTS

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Portal A, piso 1º, módulo 5
41018 Seville (Spain)
Tel: (+34) 95 492 53 25 # 4034
Fax: (+34) 95 464 03 59
E mail: cserna@typsa.es

8. K03 - Sr. Structural/Bridge Engineer – RAFAEL ROJAS

REQUIRED AS PER RFP	ACTUAL
Qualification & Skills	
(dd) **Civil Engineer, preferably with master's degree in civil/structural engineering or relevant subject (professional qualification recognized internationally).**	▪ MEng Civil Engineering (1985). Universidad Politécnica de Madrid (Technical University of Madrid)1 ▪ Master in Business Administration EOI Business School, Madrid
(ee) Ability to clearly communicate in English language (listening, speaking and writing)	▪ Listening = Excellent. ▪ Speaking = Excellent ▪ Writing = Excellent
(ff) **Experience of working for at least 5 (five) years in countries with similar conditions.**	▪ Since 2006 he has being involved in different projects abroad as: UAE, Qatar, Colombia, Saudi Arabia, Brazil, Chile,...
Professional Experience:	
(gg) At least twenty (20) years of professional experience in structural design and bridge construction,	**35 years** **Employer:** TYPSA **Position:** Senior Structural / Bridge Design Engineer **Period:** from 2006-2021 **(14 years)** **Employer:** Corsán-Corviam (ISOLUX Group). **Position:** Head engineer in the Structural Engineering Department **Period:** from 2002-2006 **(4 years)** **Employer:** Fomento de Construcciones y Contratas **Position:** Engineer in the Structural Engineering Department **Period:** 1991-2002 **(11 years)** **Employer:** Euroestudios. **Position:** Engineer in the Structural Engineering Department **Period:** 1985-1991 **(6 years)**
(hh) fifteen (15) years in concrete bridge and viaduct/underpasses designs.	**Over 25 years:** ▪ Conceptual design for the M-50 motorway bypass from A-

TYPSA (Técnica y Proyectos, S.A.)
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Fax: (+34) 95 464 03 59
E mail: cserna@typsa.es

	6 to M607 in Madrid. The project consisted of two 12-km-long TBM tunnels with several deep ventilation shafts, as well as plant rooms on top of the tunnel portals. ▪ Typological study of a bridge over the Avenida de Aragón in Logroño. ▪ Detailed Design for the I-69 Highway widening (Indiana - USA). ▪ Structures design for Section 5: Bloomington-Martinsville. ▪ design for the Skärholmen highway tunnels in Stockholm (Sweden). ▪ Definitive design of bridges in the connection improvement project among Americo Vespucio motorway, El Salto Avenue and Ruta 78 road in Santiago (Chile). ▪ Detailed design for a bridge in Ourense.

GOVERNMENT OF SINDH
Karachi Urban Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

No. PD/YLC/SMTA/ 16 /2020

Karachi Dated: 26th March, 2021

Mr. Inam-ur-Rab Khan Minhas,
Chief Executive,
M/s Zeeruk International Private Limited,
Islamabad.

Subject: PROCUREMENT COMPLAIN: PROCUREMENT REFERENCE: PK-SMTA-122605-CS-QCBS – CONSULTING SERVICES FOR THE PREPARATION OF DETAILED DESIGN, PROVIDE PROCUREMENT SUPPORT AND CONSTRUCTION SUPERVISION SERVICES.

This is with reference to your office Letter ZI/4-3/20/24877 dated November 13, 2020 through which a complaint with regards to the subject procurement was brought up. As mentioned in our acknowledgement email dated 8th February 2021, we received this letter via email which unfortunately landed in Spam folder of email and unfortunately no hard copy was received at our office.

2. We are in receipt of your complaint which has been analyzed and reviewed by us in accordance with the provisions contained in the REOI document, published vide INF/KRY No. 549/2020, as well as with the "Procurement Regulations for IPF Borrowers" July 2016 [*Revised November 2017 and August 2018*] ("Procurement Regulations").

3. According to the review undertaken, it was found and agreed that based on the provided information, the consultant firm does not fulfill the criteria of *specific* project experience i.e. "*Proven specific experience of providing the consulting Services on projects of similar nature comparing the complexity and cost of the Project. The consultants should have successfully completed minimum of 4 projects of specific experience each worth minimum of US$ 250 million or above, undertaken in last 10 years*". In addition to this, the lead partner of the consultant firm i.e. M/s Kaiser Engineering & Consulting has a negative net-worth in the year 2016 which does not fulfill the criteria in the REOI which states that the *"Consultants are required to demonstrate strong technical and managerial staff employed by them and evidence of positive net-worth to be substantiated by submitting certified audit reports of last five years."*

4. Accordingly following decisions are hereby conveyed:

- The Expression of Interest submitted by the JV comprising M/s Kaiser Engineering & Consulting (lead firm) **JV** M/s Apco Teknic **JV** M/s SMEC **JV** M/s Zeeruk International JV M/s Loya Associates **JV** M/s Engineering General Consultants was unable to meet the minimum requirements as disclosed in the REOI published on 14th

GOVERNMENT OF SINDH
Karachi Urban Mobility Project
(YELLOW LINE BRTS)
SINDH MASS TRANSIT AUTHORITY
TRANSPORT & MASS TRANSIT DEPARTMENT

February 2020 at United Nations Development Business and on 19th February 2020 in The Daily Dawn and The Daily Jang, Karachi, Pakistan.

5. Prior to reaching out the above decision, we approached the JV by our communication reference vide email 6th October 2020 requesting for additional information. However, we regret to inform that the information which was provided did not fulfill the required criteria, as published in the above-mentioned REOI.

6. We thank you for your interest shown in the current procurement process and hope to receive your interests for other procurement opportunities when so advertised in future.

With best wishes,

(IMRAN BHATTI)
PROJECT DIRECTOR

A copy is forwarded for information to:-

1. The Secretary, Transport & Mass Transit Department, Govt of Sindh.
2. The Managing Director, Sindh Mass Transit Authority, Govt of Sindh.
3. Master File.

House # D, 43, Block 2 Clifton, Karachi, 75600
Tel: 021 99333208 Ext.12 Email: pd.kmp.ylc@gmail.com

NO.SMTA/YL-BRTs/2020/ L-58
GOVERNMENT OF SINDH
TRANSPORT & MASS TRANSIT DEPARTMENT
SINDH MASS TRANSIT AUTHORITY

Karachi, dated the: 15th February, 2021

Amended Meeting Notice

SAY NO TO CORRUPTION

To,

1. The Project Director,
   Karachi Urban Mobility Project,
   Yellow Line – BRTs,
   Karachi.
2. The Director (Infrastructure / Projects),
   Sindh Mass Transit Authority,
   Government of Sindh,
   Karachi.
3. The Chief Consultant,
   Transport & Mass Transit Department,
   Government of Sindh,
   Karachi.
4. The Director (ITS),
   Sindh Mass Transit Authority,
   Government of Sindh,
   Karachi.
5. The Deputy Director (Procurement),
   Sindh Mass Transit Authority,
   Government of Sindh,
   Karachi.
6. The Director (F&A),
   Sindh Mass Transit Authority,
   Government of Sindh,
   Karachi.
7. The Chief (Transport),
   Planning & Development Department,
   Government of Sindh,
   Karachi.
8. Mr. Muhammad Danish,
   Director PPP Unit,
   Finance Department,
   Government of Sindh, **Karachi**.

SUBJECT: KARACHI MOBILITY PROJECT (YELLOW LINE BRTS).
Procurement of Detailed Design, Procurement Support and Construction Supervision services

Kindly refer to the meeting notice of even number of dated 09th February, 2021 on the subject captioned above. I am directed to state that some amendments in the schedule of timings are mentioned below:-

Sr. No.	Day	Date	Time
1.	Monday to Wednesday	15.02.2021 to 17.02.2021	02:00 p.m to 05:00 p.m
2.	Thursday	18.02.2021	10:00 a.m to 02:00 p.m
3.	Friday	19.02.2021	10.00 a.m to 01.00 p.m

PRIVATE SECRETARY TO MD-SMTA

A copy is forwarded for information to: -

- The PS to Minister, Transport & Mass Transit, Karachi.
- The PS to Secretary, Transport & Mass Transit Department, Govt. of Sindh, Karachi.
- Master File.

PD/YLC/SMTA/2020/12/011

KARACHI MOBILITY PROJECT
GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY

Date: 24/12/2020

To: Three Star Scientific Company
Flat # A 309 Third Floor, Hakeem Classic Main Saadi Town
Road near Rimjhim Tower Karachi
Contact: 0336-2375329

Project ID: P116732

Dear Sir,

PROJECT: REQUEST FOR QUOTATIONS OF GOODS FOR KARACHI MOBILITY PROJECT

The Karachi Urban Mobility Project, Sindh Mass Transit Authority (SMTA) invites your quotation for the items described below.

This procurement process will be conducted in accordance with the shopping procurement method contained in the World Bank Procurement Regulations and the procedures described herein.

1. **Preparation of Quotations**: You are requested to quote for these items by completing, signing and returning:
   - the List of Goods and Price Schedule;
   - the documents confirming your eligibility, as listed below;

   The standard forms in this RFQ may be retyped for completion but the Bidder is responsible for their accurate reproduction.
2. **Validity of Quotations:** The quotation validity required is 60 days.
3. **Sealing and marking of Quotations:** Quotations should be placed in a single sealed envelope, clearly marked with the Reference above, the name of the Bidder and the Implementing Agency.
4. **Submission of Quotations:** Quotations should be submitted to the address below by mail, by the date and time of the deadline below.

   Date of deadline: 06/01/2021. Time of deadline: 11:00AM.

   Address House No D-43, Clifton Kehkashan Block 2, Karachi

   Email: pd.kmp.ylc@gmail.com

24-12-2020

Eligibility Criteria: You are required to meet the following criteria to be eligible:

1. Supplier shall be registered with FBR and shall be an active tax payer
2. The supplier shall be an authorized partner/dealer/distributer/reseller
3. Have maintenance facility/office in Karachi for after sales services
4. Have the legal capacity to enter into a contract;
5. Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
6. Not have had your business activities suspended or debarred from public procurement by the Office of Government Public Contracts Policy;
   Be eligible, as defined below;

5. **Documents Evidencing Eligibility:** You are requested to submit copies of the following documents as evidence of your eligibility.
   a). Valid trading licence or equivalent;
   b). Valid certificate of registration or equivalent;
   c). Valid registration certificate with FBR and proof of active tax payer
6. **Origin of Goods:** All Goods and related services shall have as their country of origin an eligible country.
7. **Technical Criteria:** The Specification details the minimum specification of the Goods required. The Goods offered must meet this specification.
8. **Currency:** Quotations must be priced in Pakistani rupees.
9. **Best Evaluated Bid:** The best evaluated bid shall be the lowest priced quotation, which is received from an eligible supplier and is technically compliant.
10. **Delivery:** Prices should include all expenses for the supply and installation at the designated facility/location which is as follows:
    House No D-43, Clifton Kehkashan Block 2, Karachi
11. **Duties and Taxes:** The quoted price shall be inclusive of all Government applicable duties and taxes.
12. **Delivery Schedule:** Delivery required should be **01 week** from date of Purchase Order.
13. **Warranty**: Shall be twelve months from the date of delivery.
14. **Terms of Payment:** Payment shall be made within 15 days against submission of your Invoice and supporting documents following delivery of the Goods.
15. **Eligible Countries:** Pakistan only

You are requested to fil the rates for bellow given required quotations and submit it with RFQ within two weeks' time.

CURRENCY OF QUOTATION: **PKR**

Item No	Technical Specification/ Description of Goods	Procurement Reference	Quantity	Unit of Measure	Unit Price [Incl. Taxes]	Total Price [Incl. Taxes]
1.	**Supply and installation of Video Conference Equipment set** Conference system Camera tilt and zoom10x lossless HD Auto Focus , Rallay Display , Hub, Duplex Speakers plug & play, Micro Phones, Mic Pod, Remote Control Usb type C to Usb type C Usb type A to Usb Type B. High bandwidth HdD Audio ,Visual call status indicator LCD Display Caller or Equivalent	PK_SMTA-197002-GO-RFQ	01	NO		
2.	**Supply and installation of IT Equipment's** Desktop Computer 10th Generation Intel® Core™ i5-10500 (6-Core, 12MB Cache, 3.1GHz to 4.5GHz, 65W) 8GB, 1x8GB, DDR4 non-ECC Memory, M.2 256GB PCIE NVMe Class 35 Solid State Drive / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
3.	19.5" Monitor HDMI Widescreen TN LED HD+ / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
4.	Software windows 10,Antivirus,Microsoft Office 10 Original Registered / or Equivalent	PK_SMTA-197006-GO-RFQ	12	NO		
5.	Laser Printer All-in-One(Laser Printer+ Photocopier + Fax) with Built-in Ethernet & Double-Sided Printing, Paper sizes supported: Letter; Legal; Executive; Oficio (8.5x13 in); A4; A5; A6; B5 (JIS); Envelope (#10, Monarch, B5, C5, DL); A5-R; 4x6 in; 5x8 in; B6 (JIS);	PK_SMTA-197006-GO-RFQ	02	NO		

	10x15 in; statement / or Equivalent					
6.	Laser Printer with Built-in Ethernet & Double-Sided Printing, Paper sizes supported: Letter; Legal; Executive; Oficio ,A4,A5,A6,B5(JIS), 16K, Envelope (#, Monarch B5, C5, DL), 4*6 in, 5*8 in, B6 (JTS), 10*15 or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
7.	Laptop, 10th Gen Ci7 1065G7 - 8GB - 1TB HDD - 2GB GC - 15.6" FHD, 10th Generation Intel® Core™ i7-1065G7 Processor (8MB Cache, up to 3.9 GHz), 8GB DDR4 Memory | 1TB 5400 rpm 2.5" SATA HDD or Equivalent	PK_SMTA-197006-GO-RFQ	08	NO		
8.	Apple iPad 8 (Wifi+ 128GB) A12 Chip (64-bit) - 8MP Camera - 10.2" IPS Backlit Display - 10Hrs Battery backup - iOS 11 - Finger Print - Gold | Space Grey. / or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
9.	Intercom System PBX Exchange16 channel Without Installation & Wiring / or Equivalent	PK_SMTA-197006-GO-RFQ	01	NO		
10.	PBX Installation with wiring	PK_SMTA-197006-GO-RFQ	01	NO		
11.	Telephone Set with CLI / or Equivalent	PK_SMTA-197006-GO-RFQ	16	NO		
12.	WIFI Router 3 Antenna or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
13.	Multi-function Photocopier Standard functions: Copy, Email, Print, Scan Optional functions: Walkup fax, Copy/print speed up to 55 ppm, Duty cycle Up to 200,000 images/month, Connectivity	PK_SMTA-197006-GO-RFQ	02	NO		

	10/100/1000 BaseT Ethernet, High-Speed USB 2.0 direct print, Controller features Configuration Cloning, Online Support, Remote Control Panel, Unified Address Book / or Equivalent					
14.	Paper Shredder Cross-Cut Shredder, SafeSense Technology stops shredding when hands touch the paper opening, Shreds 10 sheets per pass into 5/32" x 1-9/16", cross-cut particles (Security Level P-4), Also safely shreds staples, paper clips and plastic credit cards, Shreds for up to 6 minutes before a 20 minute cool down period is needed, 6-gallon bin with easy lift-off head For personal use, 16.1"H x 9.2"W x 14.6"D / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
15.	Document Scanner Scan Modes, Color: Input 48-bit, Output 24-bit Grayscale: Input 16-bit, Output 8-bit Black & White: 1-bit, Scan Speed 30 ppm/ 60 ipm (Grayscale mode, 200 & 300 dpi, A4 Portrait) Interface USB 2.0 RJ45 LAN (only support Windows), Max: 220 x 5080 mm (8.66" x 0") Min: 63.5 x 50.8 mm 02(2.5" x 2"), LED, 263 x 128 x 148 mm, 600 dpi, / or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
16.	DSLR Camera - 18-55mm DC III Lens, 24.2MP | 3" 1.Touchscreen LCD | HD 1080p Video Recording | Traveller Tripod Plus Monopod MEMORY CARD 128GB microSDXC	PK_SMTA-197006-GO-RFQ	01	NO		
17.	**Supply and installation of Office Furniture & Fixture.** Revolving Office Chair Adjustable	PK_SMTA-197012-GO-RFQ	07	NO		

	Height-Back Mesh Task with Arm Rest for Home Office / or Equivalent					
18.	Revolving Office Chair Reclining Back, Tilt Tension Controller, Lumbar Support, Tilt Locking, 360-degree Revolving Mechanism, Tilt Locking & Unlocking / or Equivalent	PK_SMTA-197012-GO-RFQ	05	NO		
19.	Filing Cabinets In Wooden / or Equivalent	PK_SMTA-197012-GO-RFQ	10	NO		
20.	4 Seater Dinning Table (table +Chair)	PK_SMTA-197012-GO-RFQ	02	NO		
21.	Hanger Coat	PK_SMTA-197012-GO-RFQ	03	NO		
22.	Workstation for 12 Persons	PK_SMTA-197012-GO-RFQ	01	NO		
		Total				

Any resulting contract awarded shall be by placement of a Purchase Order.

Any queries should be addressed to the Project Management Team at the address given above. Please prepare and submit your quotation or inform the undersigned if you will not be submitting a quotation.

Yours sincerely,

24/12

Project Director,
Karachi Mobility Project,
Sindh Mass Transit Authority

PROJECT DIRECTOR
YELLOW LINE BRTS
SINDH MASS TRANSIT AUTHORITY
GOVT OF SINDH

PD/YLC/SMTA/2020/12/010
KARACHI MOBILITY PROJECT
GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY

Date: 24/12/2020

To: SDS BROTHERS
Office: Flat No. C-403 Sun View Tower,
SB 10-11/179, Block -7 Gulistan-e- Johar
Main University Road Karachi
Contact: 0336-5886886

Project ID: P116732

Dear Sir,

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   The standard forms in this RFQ may be retyped for completion but the Bidder is responsible for their accurate reproduction.
2. **Validity of Quotations:** The quotation validity required is 60 days.
3. **Sealing and marking of Quotations:** Quotations should be placed in a single sealed envelope, clearly marked with the Reference above, the name of the Bidder and the Implementing Agency.
4. **Submission of Quotations:** Quotations should be submitted to the address below by mail, by the date and time of the deadline below.
   Date of deadline: 06/01/2021. Time of deadline: 11:00AM.
   Address House No D-43, Clifton Kehkashan Block 2, Karachi
   Email: pd.kmp.ylc@gmail.com

Received
25/12/20

Eligibility Criteria: You are required to meet the following criteria to be eligible:

1. Supplier shall be registered with FBR and shall be an active tax payer
2. The supplier shall be an authorized partner/dealer/distributer/reseller
3. Have maintenance facility/office in Karachi for after sales services
4. Have the legal capacity to enter into a contract;
5. Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
6. Not have had your business activities suspended or debarred from public procurement by the Office of Government Public Contracts Policy;
   Be eligible, as defined below;

5. **Documents Evidencing Eligibility:** You are requested to submit copies of the following documents as evidence of your eligibility.
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   b). Valid certificate of registration or equivalent;
   c). Valid registration certificate with FBR and proof of active tax payer
6. **Origin of Goods:** All Goods and related services shall have as their country of origin an eligible country.
7. **Technical Criteria:** The Specification details the minimum specification of the Goods required. The Goods offered must meet this specification.
8. **Currency:** Quotations must be priced in Pakistani rupees.
9. **Best Evaluated Bid:** The best evaluated bid shall be the lowest priced quotation, which is received from an eligible supplier and is technically compliant.
10. **Delivery:** Prices should include all expenses for the supply and installation at the designated facility/location which is as follows:
    House No D-43, Clifton Kehkashan Block 2, Karachi
11. **Duties and Taxes:** The quoted price shall be inclusive of all Government applicable duties and taxes.
12. **Delivery Schedule:** Delivery required should be **01 week** from date of Purchase Order.
13. **Warranty**: Shall be twelve months from the date of delivery.
14. **Terms of Payment:** Payment shall be made within 07 days against submission of your Invoice and supporting documents following delivery of the Goods.
15. **Eligible Countries:** Pakistan only

You are requested to fil the rates for bellow given required quotations and submit it with RFQ within two weeks' time.

CURRENCY OF QUOTATION: **PKR**

Item No	Technical Specification/ Description of Goods	Procurement Reference	Quantity	Unit of Measure	Unit Price [Incl. Taxes]	Total Price [Incl. Taxes]
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2.	**Supply and installation of IT Equipment's** Desktop Computer 10th Generation Intel® Core™ i5-10500 (6-Core, 12MB Cache, 3.1GHz to 4.5GHz, 65W) 8GB, 1x8GB, DDR4 non-ECC Memory, M.2 256GB PCIE NVMe Class 35 Solid State Drive / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
3.	19.5" Monitor HDMI Widescreen TN LED HD+ / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
4.	Software windows 10,Antivirus,Microsoft Office 10 Original Registered / or Equivalent	PK_SMTA-197006-GO-RFQ	12	NO		
5.	Laser Printer All-in-One(Laser Printer+ Photocopier + Fax) with Built-in Ethernet & Double-Sided Printing, Paper sizes supported: Letter; Legal; Executive; Oficio (8.5x13 in); A4; A5; A6; B5 (JIS); Envelope (#10, Monarch, B5, C5, DL); A5-R; 4x6 in; 5x8 in; B6 (JIS);	PK_SMTA-197006-GO-RFQ	02	NO		

	10x15 in; statement / or Equivalent					
6.	Laser Printer with Built-in Ethernet & Double-Sided Printing, Paper sizes supported: Letter; Legal; Executive; Oficio ,A4,A5,A6,B5(JIS), 16K, Envelope (#, Monarch B5, C5, DL), 4*6 in, 5*8 in, B6 (JTS), 10*15 or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
7.	Laptop, 10th Gen Ci7 1065G7 - 8GB - 1TB HDD - 2GB GC - 15.6" FHD, 10th Generation Intel® Core™ i7-1065G7 Processor (8MB Cache, up to 3.9 GHz), 8GB DDR4 Memory | 1TB 5400 rpm 2.5" SATA HDD or Equivalent	PK_SMTA-197006-GO-RFQ	08	NO		
8.	Apple iPad 8 (Wifi+ 128GB) A12 Chip (64-bit) - 8MP Camera - 10.2" IPS Backlit Display - 10Hrs Battery backup - iOS 11 - Finger Print - Gold | Space Grey. / or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
9.	Intercom System PBX Exchange16 channel Without Installation & Wiring / or Equivalent	PK_SMTA-197006-GO-RFQ	01	NO		
10.	PBX Installation with wiring	PK_SMTA-197006-GO-RFQ	01	NO		
11.	Telephone Set with CLI / or Equivalent	PK_SMTA-197006-GO-RFQ	16	NO		
12.	WIFI Router 3 Antenna or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
13.	Multi-function Photocopier Standard functions: Copy, Email, Print, Scan Optional functions: Walkup fax, Copy/print speed up to 55 ppm, Duty cycle Up to 200,000 images/month, Connectivity	PK_SMTA-197006-GO-RFQ	02	NO		

	10/100/1000 BaseT Ethernet, High-Speed USB 2.0 direct print, Controller features Configuration Cloning, Online Support, Remote Control Panel, Unified Address Book / or Equivalent					
14.	Paper Shredder Cross-Cut Shredder, SafeSense Technology stops shredding when hands touch the paper opening, Shreds 10 sheets per pass into 5/32" x 1-9/16", cross-cut particles (Security Level P-4), Also safely shreds staples, paper clips and plastic credit cards, Shreds for up to 6 minutes before a 20 minute cool down period is needed, 6-gallon bin with easy lift-off head For personal use, 16.1"H x 9.2"W x 14.6"D / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
15.	Document Scanner Scan Modes, Color: Input 48-bit, Output 24-bit Grayscale: Input 16-bit, Output 8-bit Black & White: 1-bit, Scan Speed 30 ppm/ 60 ipm (Grayscale mode, 200 & 300 dpi, A4 Portrait) Interface USB 2.0 RJ45 LAN (only support Windows), Max: 220 x 5080 mm (8.66" x 0") Min: 63.5 x 50.8 mm 02(2.5" x 2"), LED, 263 x 128 x 148 mm, 600 dpi, / or Equivalent	PK_SMTA-197006-GO-RFQ	02	NO		
16.	DSLR Camera - 18-55mm DC III Lens, 24.2MP | 3" 1.Touchscreen LCD | HD 1080p Video Recording | Traveller Tripod Plus Monopod MEMORY CARD 128GB microSDXC	PK_SMTA-197006-GO-RFQ	01	NO		
17.	**Supply and installation of Office Furniture & Fixture.** Revolving Office Chair Adjustable	PK_SMTA-197012-GO-RFQ	07	NO		

	Height-Back Mesh Task with Arm Rest for Home Office / or Equivalent					
18.	Revolving Office Chair Reclining Back, Tilt Tension Controller, Lumbar Support, Tilt Locking, 360-degree Revolving Mechanism, Tilt Locking & Unlocking / or Equivalent	PK_SMTA-197012-GO-RFQ	05	NO		
19.	Filing Cabinets In Wooden / or Equivalent	PK_SMTA-197012-GO-RFQ	10	NO		
20.	4 Seater Dinning Table (table +Chair)	PK_SMTA-197012-GO-RFQ	02	NO		
21.	Hanger Coat	PK_SMTA-197012-GO-RFQ	03	NO		
22.	Workstation for 12 Persons	PK_SMTA-197012-GO-RFQ	01	NO		
			Total			

Any resulting contract awarded shall be by placement of a Purchase Order.

Any queries should be addressed to the Project Management Team at the address given above. Please prepare and submit your quotation or inform the undersigned if you will not be submitting a quotation.

Yours sincerely,

24/11/22.

Project Director,
Karachi Mobility Project,
Sindh Mass Transit Authority

PROJECT DIRECTOR
YELLOW LINE BRTS
SINDH MASS TRANSIT AUTHORITY
GOVT OF SINDH

PD/YLC/SMTA/2020/12/009

KARACHI MOBILITY PROJECT
GOVERNMENT OF SINDH
SINDH MASS TRANSIT AUTHORITY

Date: 24/12/2020

To: UNIVERSAL TRADERS
R- 20 Haris Banglows - University Road Main Safora Chowrangi Karachi
Contact: 0335-7493883

Project ID: P116732

Dear Sir,

PROJECT: REQUEST FOR QUOTATIONS OF GOODS FOR KARACHI MOBILITY PROJECT

The Karachi Urban Mobility Project, Sindh Mass Transit Authority (SMTA) invites your quotation for the items described below.

This procurement process will be conducted in accordance with the shopping procurement method contained in the World Bank Procurement Regulations and the procedures described herein.

1. **Preparation of Quotations**: You are requested to quote for these items by completing, signing and returning:
   - the List of Goods and Price Schedule;
   - the documents confirming your eligibility, as listed below;

   The standard forms in this RFQ may be retyped for completion but the Bidder is responsible for their accurate reproduction.
2. **Validity of Quotations:** The quotation validity required is 60 days.
3. **Sealing and marking of Quotations:** Quotations should be placed in a single sealed envelope, clearly marked with the Reference above, the name of the Bidder and the Implementing Agency.
4. **Submission of Quotations:** Quotations should be submitted to the address below by mail, by the date and time of the deadline below.

   Date of deadline: 06/01/2021. Time of deadline: 11:00AM.

   Address House No D-43, Clifton Kehkashan Block 2, Karachi

   Email: pd.kmp.ylc@gmail.com

Received
24/12/20

Eligibility Criteria: You are required to meet the following criteria to be eligible:

1. Supplier shall be registered with FBR and shall be an active tax payer
2. The supplier shall be an authorized partner/dealer/distributer/reseller
3. Have maintenance facility/office in Karachi for after sales services
4. Have the legal capacity to enter into a contract;
5. Not be insolvent, in receivership, bankrupt or being wound up or subject to legal proceedings for any of these circumstances;
6. Not have had your business activities suspended or debarred from public procurement by the Office of Government Public Contracts Policy;
   Be eligible, as defined below;

5. **Documents Evidencing Eligibility:** You are requested to submit copies of the following documents as evidence of your eligibility.
   a). Valid trading licence or equivalent;
   b). Valid certificate of registration or equivalent;
   c). Valid registration certificate with FBR and proof of active tax payer
6. **Origin of Goods:** All Goods and related services shall have as their country of origin an eligible country.
7. **Technical Criteria:** The Specification details the minimum specification of the Goods required. The Goods offered must meet this specification.
8. **Currency:** Quotations must be priced in Pakistani rupees.
9. **Best Evaluated Bid:** The best evaluated bid shall be the lowest priced quotation, which is received from an eligible supplier and is technically compliant.
10. **Delivery:** Prices should include all expenses for the supply and installation at the designated facility/location which is as follows:
    House No D-43, Clifton Kehkashan Block 2, Karachi
11. **Duties and Taxes:** The quoted price shall be inclusive of all Government applicable duties and taxes.
12. **Delivery Schedule:** Delivery required should be **01 week** from date of Purchase Order.
13. **Warranty**: Shall be twelve months from the date of delivery.
14. **Terms of Payment:** Payment shall be made within 07 days against submission of your Invoice and supporting documents following delivery of the Goods.
15. **Eligible Countries:** Pakistan only

You are requested to fil the rates for bellow given required quotations and submit it with RFQ within a two weeks of time.

CURRENCY OF QUOTATION: **PKR**

Item No	Technical Specification/ Description of Goods	Procurement Reference	Quantity	Unit of Measure	Unit Price [Incl. Taxes]	Total Price [Incl. Taxes]
1.	**Supply and installation of Video Conference Equipment set** Conference system Camera tilt and zoom10x lossless HD Auto Focus , Rallay Display , Hub, Duplex Speakers plug & play, Micro Phones, Mic Pod, Remote Control Usb type C to Usb type C Usb type A to Usb Type B. High bandwidth HdD Audio ,Visual call status indicator LCD Display Caller or Equivalent	PK_SMTA-197002-GO-RFQ	01	NO		
2.	**Supply and installation of IT Equipment's** Desktop Computer 10th Generation Intel® Core™ i5-10500 (6-Core, 12MB Cache, 3.1GHz to 4.5GHz, 65W) 8GB, 1x8GB, DDR4 non-ECC Memory, M.2 256GB PCIE NVMe Class 35 Solid State Drive / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
3.	19.5" Monitor HDMI Widescreen TN LED HD+ / or Equivalent	PK_SMTA-197006-GO-RFQ	04	NO		
4.	Software windows 10,Antivirus,Microsoft Office 10 Original Registered / or Equivalent	PK_SMTA-197006-GO-RFQ	12	NO		
5.	Laser Printer All-in-One(Laser Printer+ Photocopier + Fax) with Built-in Ethernet & Double-Sided Printing, Paper sizes supported: Letter; Legal; Executive; Oficio (8.5x13 in); A4; A5; A6; B5 (JIS); Envelope (#10, Monarch, B5, C5, DL); A5-R; 4x6 in; 5x8 in; B6 (JIS);	PK_SMTA-197006-GO-RFQ	02	NO		

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13.	Multi-function Photocopier Standard functions: Copy, Email, Print, Scan Optional functions: Walkup fax, Copy/print speed up to 55 ppm, Duty cycle Up to 200,000 images/month, Connectivity	PK_SMTA-197006-GO-RFQ	02	NO		

	10/100/1000 BaseT Ethernet, High-Speed USB 2.0 direct print, Controller features Configuration Cloning, Online Support, Remote Control Panel, Unified Address Book / or Equivalent					
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	Height-Back Mesh Task with Arm Rest for Home Office / or Equivalent					
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20.	4 Seater Dinning Table (table +Chair)	PK_SMTA-197012-GO-RFQ	02	NO		
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		Total				

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Yours sincerely,

Project Director,
Karachi Mobility Project,
Sindh Mass Transit Authority

PROJECT DIRECTOR
YELLOW LINE BRTS
SINDH MASS TRANSIT AUTHORITY
GOVT OF SINDH

dar

Dar Al-Handasah Consultants
(Shair and Partners)

Our Ref.: A.3.4/ R 5849
Date: 10th November 2020

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

Subject: Procurement of Consulting Services for the Preparation of Detailed Design, Procurement Support and Construction Supervision Services for Karachi Mobility Project - Yellow Bus Rapid Transit) (PK-SMTA-122605-CS-QCBS) – Intent to Bid

Dear Sir,

We would like to express our sincere gratitude to M/s Sindh Mass Transit Authority (SMTA) for the email dated November 13, 2020 and for letting the opportunity to (DAR-NESPAK JV) to participate in the bid for Consulting Services for Preparation of Detailed Design, Procurement Support and Construction Supervision for Karachi Mobility Project (Yellow Bus Rapid Transit).

12/11/2020

Dir (Infra)

We, hereby, confirm that we have received the request for proposal, and that we intend to submit our proposal under the joint venture formed between DAR and NESPAK whereby Dar will be the leading party in this JV.

And we remain ready to provide any additional information / clarification you may require.

Yours faithfully,
For/ Dar Al-Handasah Consultants (Shair & Partners)

Said Hayek
Partner

RECEIVED
SM/A/TMTD
Dairy No. 3507
Dated: 12-11-2020

Dar Al-Handasah Consultants
(Shair and Partners)

Our Ref.: A.3.4/ R 5849
Date: 10th November 2020

Project Director (Karachi Mobility Project)
Sindh Mass Transit Authority
Transport & Mass Transit Department, Government of Sindh
House # D-43; Block 2; Scheme No. 5; Kehkashan, Clifton, Karachi, Pakistan

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We, hereby, confirm that we have received the request for proposal, and that we intend to submit our proposal under the joint venture formed between DAR and NESPAK whereby Dar will be the leading party in this JV.

And we remain ready to provide any additional information / clarification you may require.

Yours faithfully,
For/ Dar Al-Handasah Consultants (Shair & Partners)

Said Hayek
Partner

No. MD/SMTA/2020/1960

GOVERNMENT OF SINDH
SINDH MASS TRANSIT
AUTHORITY

Karachi Dated: 25th August, 2020

To,

The Secretary,
Transport & Mass Transit Department,
Government of Sindh,
Karachi

Subject: **DETAILED BRIEF ON THE PROJECTS AND ISSUES PERTAINING TO TRANSPORT & MASS TRANSIT DEPARTMENT.**

Refer to the subject cited above and for the projects and issues pertaining to Transport & Mass Transit Department for the detail brief to be held on 28th August, 2020.

2. It is therefore, the detailed brief, progress, issues and way forward pertaining to all BRT lines as well as the Intra-City Buses Project is enclosed.

25/08/2020

(IQTEDAR AHMED)
Managing Director
Sindh Mass Transit Authority

Copy is forward for information to:-

1) Project Director, BRT Yellow Line/ BRT Red Line,
2) Director Finance & Accounts, Sindh Mass Transit Authority, TMTD, GoS,
3) Director Infrastructure/ Projects, Sindh Mass Transit Authority, TMTD, GoS,
4) PS to Minister, Transport & Mass Transit Department, GoS,
5) Office File

GOVERNMENT OF SINDH
TRANSPORT & MASS TRANSIT
DEPARTMENT

BRT ORANGE LINE:

The work on both the packages has been resumed from 15th August, 2020. Construction work was stopped due Pandemic Covid-19 and non-release of funds from Finance Department on the same. However, from March, 2020 bills of both packages of last Financial Year amounting PKR 90 million were pending and couldn't be cleared. Subsequently, the release of first quarter amounting PKR 122.43 million were released by the Finance Department during the month of August, 2020. Out of PKR 122.43 million the PKR 90 million was overdue of last Financial Year which paid to the contractor during the first release of Current Financial Year. Moreover, the remaining funds of two quarter amounting PKR 244.86 million and the additional funds required within 15% of the original contract price for both packages amounting PKR 32.608 million. Therefore, the total funds required stands PKR 277.468 million in one go in order complete the work in stipulated time given in the decision which is 6 months of time span until 15th February 2021.

BRT YELLOW LINE:

Consultants for Detail Design and Supervision have been short listed. The details will be shared to the World Bank by 1st September, 2020 to review and approval. RFP has been finalized and approval will be obtain from Consultant Selection Committee during the meeting will be held by 28th August, 2020 and same will be forwarded to World Bank for review and approval by 1st September, 2020.

BRT RED LINE:

BRT Red Line Project is being implemented with the assistance of ADB along with co-financing AIIB, AFD and GCF. The project approved at the cost of USD 493.51 million. ADB is currently confirming whether all conditions of loan effectiveness have been met.

Bidding Documents of civil works for two packages have been completed and are under review of ADB. Invitation for Bid (IFB) would be published internationally by the implementation agency (TransKarachi). The Bid submission to award process time frame and Ground Breaking of the said project will be intimated by TransKarachi.

PROCUREMENT OF BUSES FOR INTRA-CITY PROJECT

Consultancy firm is hired though Competitive Bidding Process for the Feasibility Study for the Intra-City People's Bus Service for Karachi, Hyderabad, Sukkur, Larkana & SBA. Selected Consultant is working on Feasibility Report and the RFP for Buses Procurement which will be prepared during first week of September, 2020 and that would be placed before Procurement Committee for Approval. Moreover, Approval of the Honorable Chief Minister, Sindh for the Procurement of 250 Diesel Hybrid Electric with Regenerative Breaking Buses and the release

of funds amounting PKR 8.1 Billion from Finance Department would be required before processing International Biding Tender. In this regards, if all the procedures is successfully completed during the month of September 2020, then the Executing Agency (SMTA) would be in position to float the tender by the end of September, 2020.

The letter is enclosed from the Consultant for The Budgetary Cost Estimates for Diesel Hybrid Electric Buses Procurement.

Exponent Engineers (Pvt.) Ltd.
Consulting Engineers and Project Managers
222-F Block 2, PECHS, Karachi.
Ph.: +92 21-34303185 - 89
Fax: +92 21-34304426

Karachi, August 24, 2020
Letter No.: SMTAEE/36742/0130

To,
Secretary
Transport & Mass Transit Department (TMTD)
2nd Floor, Tughlaq House
Government of Sindh (GoS), Karachi

Subject: Sindh Intra District Peoples Bus Service Project – Budgetary Cost Estimates for Diesel Hybrid Electric Buses Procurement

Dear Sir,

1. This is with reference to the meeting chaired by Honorable Chief Minister Sindh, dated August 21, 2020 on the project cited above.

2. It was decided that a total of 250 diesel hybrid electric buses (150 buses of 12m & 100 buses of 8.5 m – 9.0 m) would be procured by TMTD, GoS) under SPPRA Regulations for International Competitive Bidding (ICB). These buses shall operate in 6 districts of Sindh Province including Karachi, Hyderabad, Sukkur, Larkana, Shaheed Benazirabad and Mirpur Khas.

3. The broad bus specifications[1] shall be as follows:
   - Model: Year 2020 or Latest City Buses
   - Air Conditioned
   - Diesel Hybrid Electric with Regenerative breaking
   - Low Entry and doors on both sides, to be fully compatible with BRT Network platform levels & door spacing in Karachi
   - Useful life of vehicle (Projected) – 12 Years or 1.2 million Km (whichever comes first)

4. The budgetary cost of the project including extended warranty of buses, 1-year maintenance and provision of spare parts by bus manufacturer, shall be as follows:

Item	Budgetary Price (Million PKR)		Total (PKR Million)
	12m	8.5m	
	150 buses	100 buses	
Budgetary Price of Buses (Delivered at Karachi Port)	4,026.74	1,807.01	5,833.75
Duties & Taxes at Port under Pakistan Custom Tariff	1,293.72	583.07	1,876.80
Budgetary Price of Buses Delivered at Depot in Khi - (PKR million)	5,320.47	2,390.08	7,710.55
Contingency @ 5%			385.53
Budget for Project Cost (PKR Million)			8,096.07

For & on behalf of EE-EY-EMCO JV

Ashar H. Lodi
Team Leader

[1] The detailed specifications are part of bidding documents for Procurement of Buses